

695. *McCord*

UNIVERSAL WINDOW DEVICES

MCCORD MANUFACTURING CO
DETROIT, U.S.A.

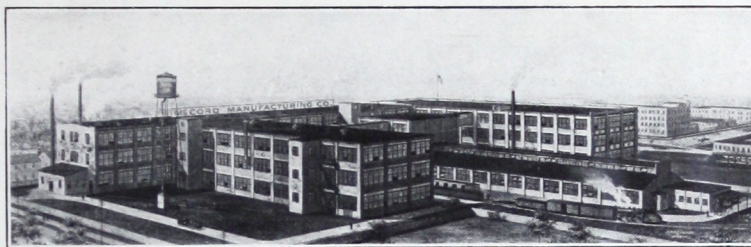
Catalogue No. 18

UNIVERSAL
WIND O.M.
DEALER

7
MCCORD MANUFACTURING CO.
DETROIT U.S.A.

FEB 13 1918

McCORD MFG. CO.



Works—Detroit, Michigan
 $4\frac{1}{2}$ Acres of Floor Space

MAIN OFFICE: DETROIT, MICH.
2587-2637 E. Grand Blvd.

50 Church Street
NEW YORK CITY

Peoples Gas Bldg.
CHICAGO, ILL.

Foreword

IN presenting this catalog, it is our aim to illustrate and detail our various devices, thus offering data of value to the trade in general.

We respectfully solicit your business through our representatives, as well as by mail.

Quotations on Universal Window devices covering complete combinations per window, or individual units, on request.

Hoping this catalog will be of service to you, and that our devices will receive your careful consideration,

Yours very truly,

MCCORD MANUFACTURING CO.

McCord Manufacturing Company

M A N U F A C T U R E R S O F
U N I V E R S A L W I N D O W D E V I C E S

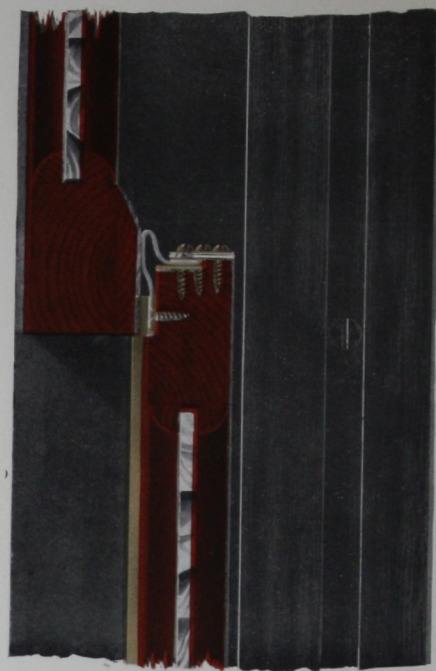
Weather Stripping
Sash Locks and Racks
Sash Lifts
Anti-Rattle Bearings
Metallic Sash
Sash Balances and Connections
Steel Parting Strips and Stop Casings
Deck Sash Ratchets
Deck Sash Pulls
Steel Pressings
Special Car Trimmings
Brass Specialties

Patented devices fully
protected by U. S. and
Canadian patents.



Application of Side Weather Stripping

Full size illustration on page 6
Details on pages 8-9



Application of Top Weather Stripping

Full size illustration on page 6
Details on page 9



Application of Bottom Weather Stripping

Details on page 9

Why You Should Use

Universal

Window Devices

WINDOW sash are subject to varying temperatures, swelling in damp and contracting in dry weather, causing the sash to bind, stick, or rattle. It is practically impossible to allow sufficient clearance in fitting the sash, to compensate for these variances, and prevent dirt, dust, drafts, etc., from entering.

Hence, a weather stripping designed to compensate automatically for any variations that may exist, permitting the proper manipulation of the sash regardless, is highly essential.

Windows equipped with Universal Weather Stripping, etc., are loosely fitted. Further, a clearance of $\frac{3}{32}$ of an inch is specified between the face of sash and stop casings, parting strips and the stooling, eliminating possibility of friction, are weather proof, do not rattle, and are operated easily, regardless of climatic changes.

Side Weather Stripping

Universal Side Weather Stripping is a combination of three parts—brass deflector, canvas mounted rubber and brass compression strip. The rubber is applied with the canvas side (which also bears on the loose leg of the compression) toward the sash. The deflector which is secured to the edge of the sash clamps the side rubber in position. The loose leg of the deflector projects on the outside face of the sash to form a bearing against the outside stop. An angle formed at the extremity of this leg, shields the joint against direct admission of air, dirt, cinders, etc. The angular compression strip is secured to the face of the post, the free leg extending outward at an angle of 45 degrees, provides a bearing for the side rubber, forming a weather proof joint. The flexibility of the rubber insures weather proof contact, regardless of irregularities, swelling or shrinking of sash.



Top Weather Strip

Details on page 9



Top Weather Strip

Details on page 9



Deflector

Details on page 8



Compression Strip

Details on page 8



Bottom Weather Strip

Details on page 9

Top Weather Stripping

Universal improved top weather stripping is a loop type constructed of brass and canvas mounted rubber. The seal that this weather strip provides, is not dependent on the accuracy of its application, because it contacts vertically with the face of the top sash rail or lintel. A feature which insures proper contact and dependent only on the closing of the sash.

Bottom Weather Stripping

Universal Bottom Weather Stripping is brass and rubber with canvas core. The application is such that the weather stripping is protected from the elements, etc., by being placed beneath the bottom rail of the sash. The canvas core provides proper resilient action, so that the outer edge of the bottom weather strip rubber contacts with the stooling, when sash is approximately $\frac{1}{4}$ of an inch from being closed, insuring proper seal, although sash raises slightly, due to the motion of the car.

Locks and Racks

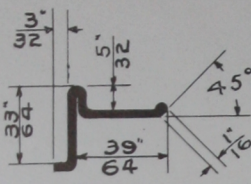
Universal Locks and Racks are made of bronze (special mixture) resulting in a metal, extremely hard, reducing wear to a minimum. The design of these locks, etc., is such that each part is properly reinforced, whether it be to counteract bending of lever or bolt, or to provide proper bearing for the shank of the screw securing the part, or some other of the many details involved. Each, however, has been carefully studied and provided for in the Universal Locks and Racks.

We call particular attention to the gravity wedging feature of the No. 10-70 and 80 Lock Bolts. The bevel at the lower edge of the bolt inclines inward and upward. When the sash is positioned, the bevel engages a similar bevel on the rack. The sliding engagement forces the sash by reason of gravity against the outside window stop, eliminating any possibility of rattle or falling of sash. Further, a sash fitted with this style of lock can be ratcheted (provided it is positioned at least at the first notch) to any height desired without manipulating the lock.

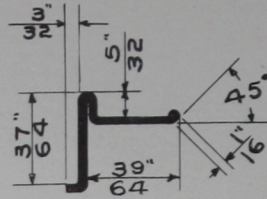
Finish—To suit specifications.

Standard Deflector Sections

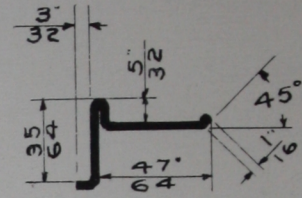
Nº16 B & S GAUGE BRASS



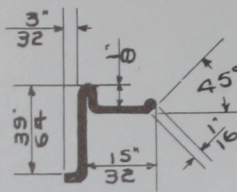
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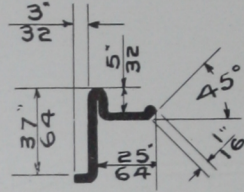
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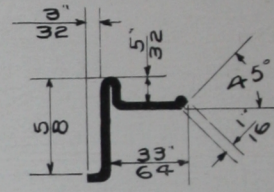
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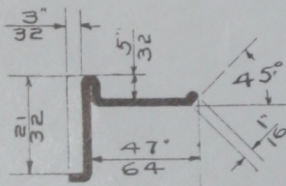
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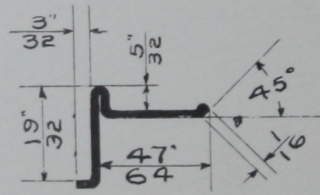
SECTION 11-D.



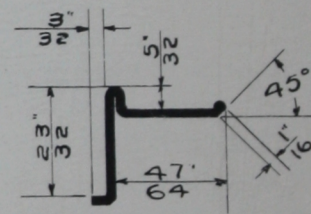
SECTION 12-D.



SECTION 14-D.



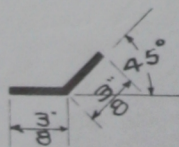
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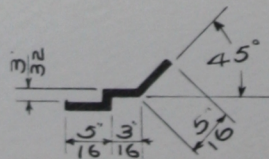
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STANDARD COMPRESSION STRIP SECTIONS.

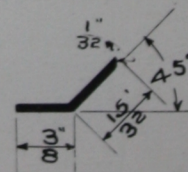
Nº16 B & S GAUGE BRASS



SECTION 1-C.



SECTION 3-C.

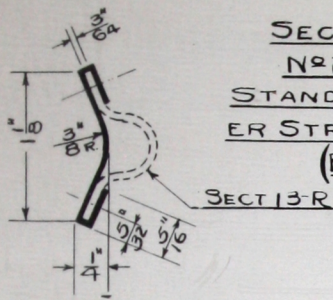


SECTION 10-C.

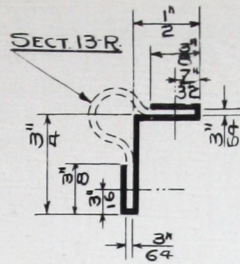
Illustrated pages 4-6

Detailed applications on pages 10-11

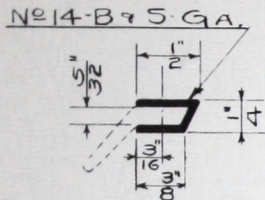
UNIVERSAL WINDOW DEVICES



SECTION 4-T
Nº24-Bx5-GA.
STANDARD TOP WEATH-
ER STRIP CHANNEL
(BRASS)

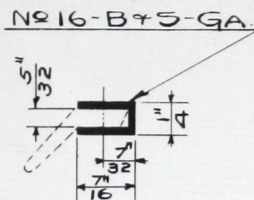


SECTION 2-T
Nº24-Bx5-GA.
STANDARD TOP
WEATHER STRIP
CHANNEL. (BRASS)



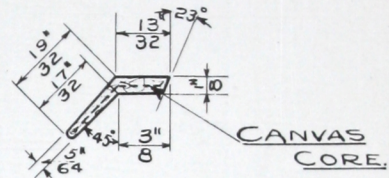
SECTION 1-B

STANDARD BOTTOM WEATHER
STRIP CHANNEL. (BRASS)



SECTION 2-B

STANDARD BOTTOM WEATHER
STRIP CHANNEL (BRASS)

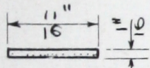


SECTION 5-R

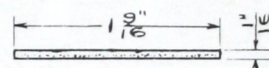
STANDARD BOTTOM WEATH-
ER STRIP RUBBER.

SIDE & TOP WEATHER STRIP RUBBER. (CANVAS MOUNTED)

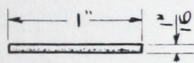
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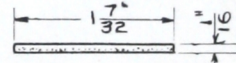
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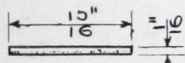
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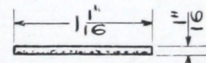
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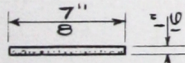
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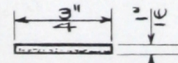
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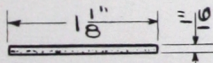
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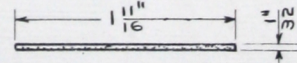
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12-R



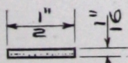
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8-R



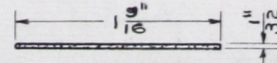
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13-R



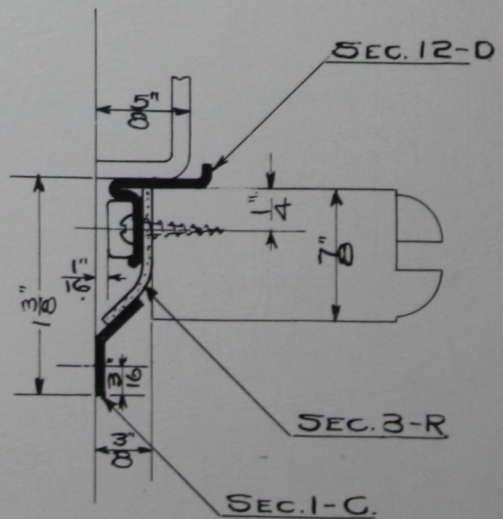
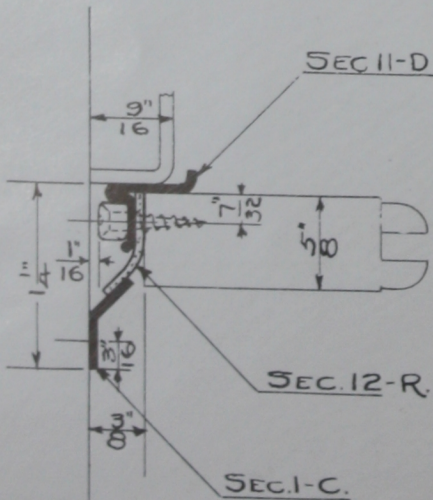
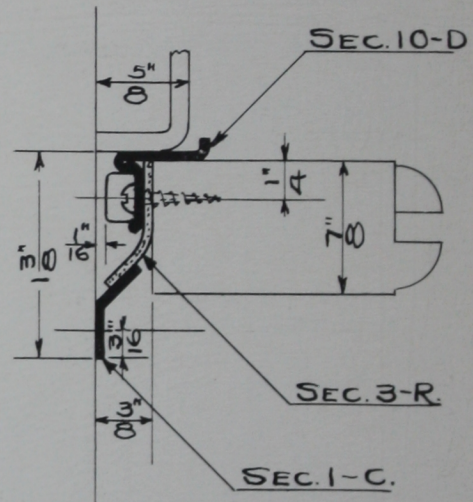
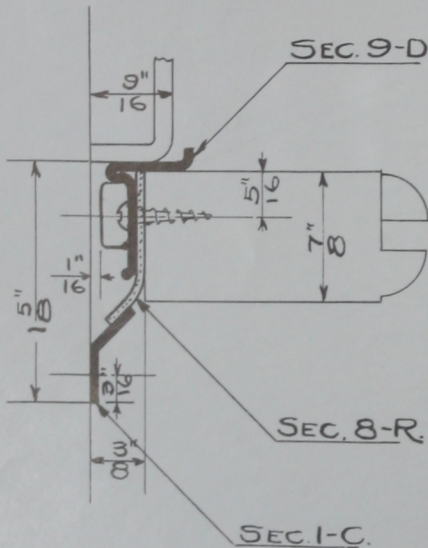
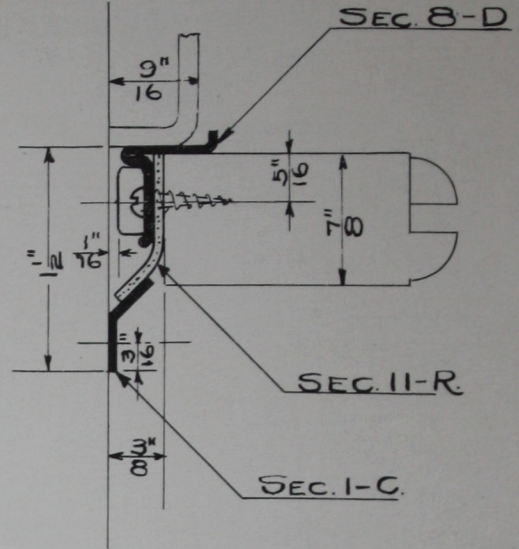
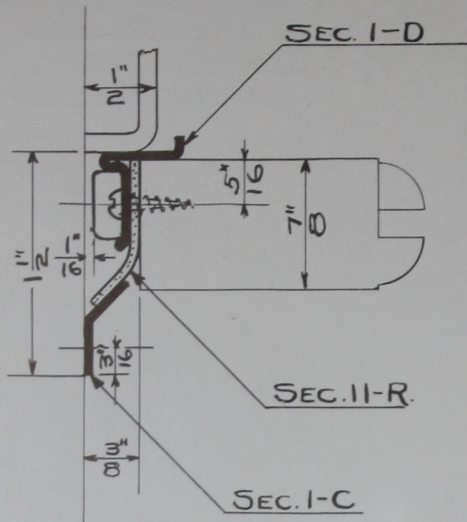
SECTION
9-R



SECTION
14-R

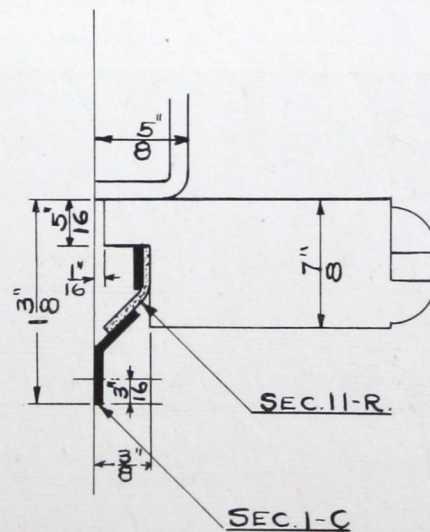
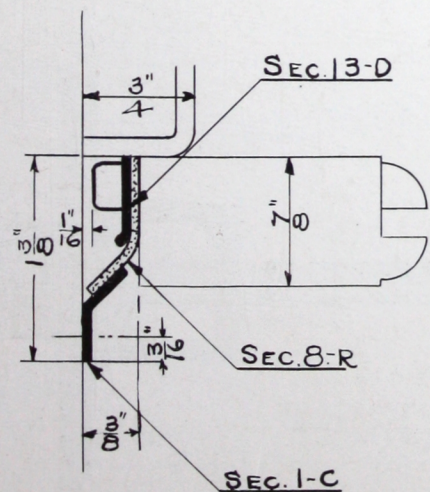
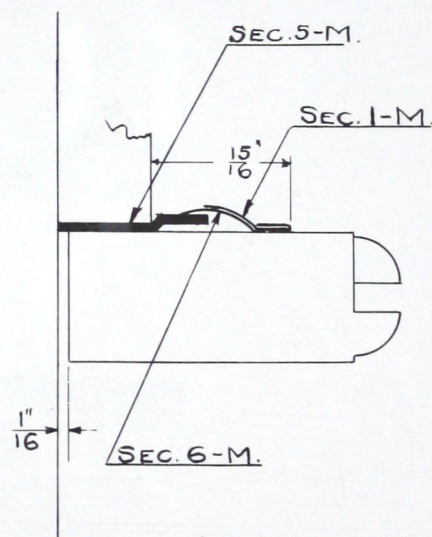
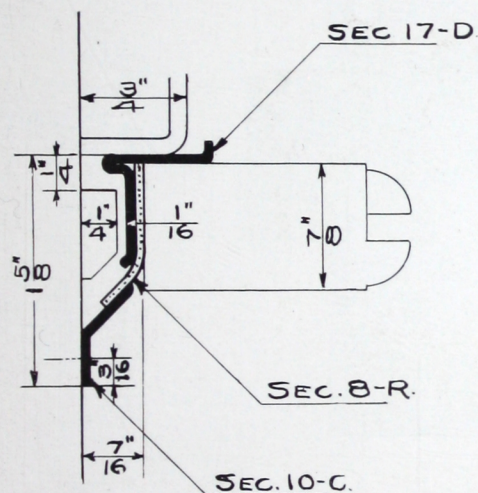
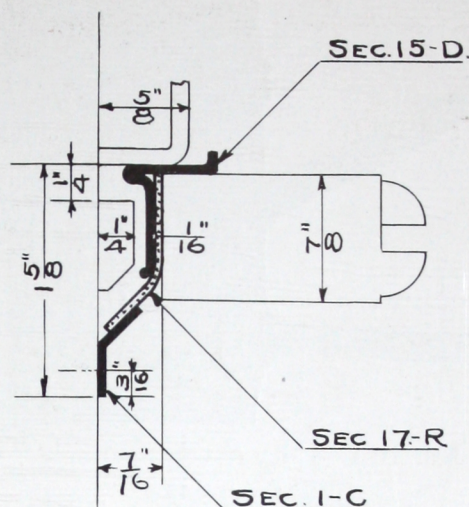
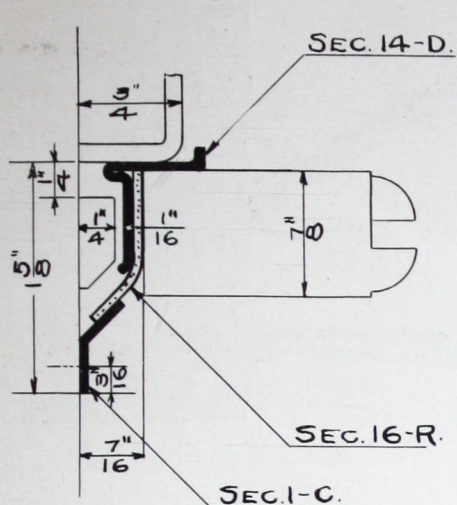


Combinations of Side Weather Stripping

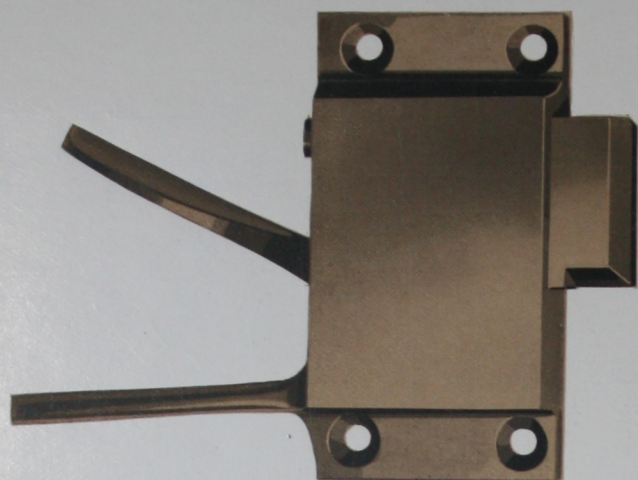


Details of these parts on pages 8-9
Illustrated pages 4-6

Combinations of Side Weather Stripping

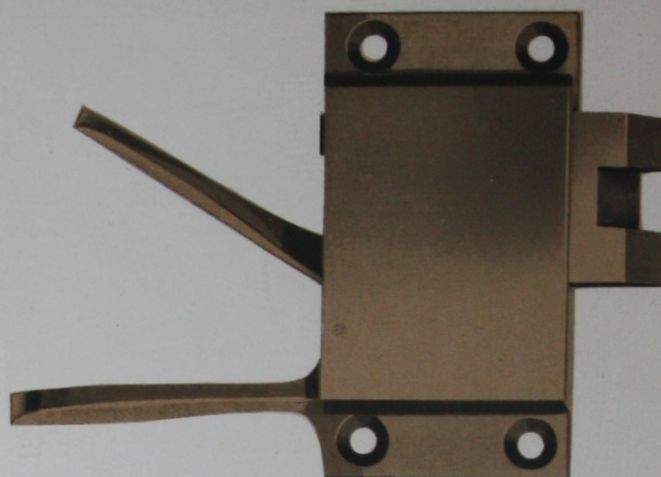


Details of these parts on pages 8-9
Illustrated on pages 4-6



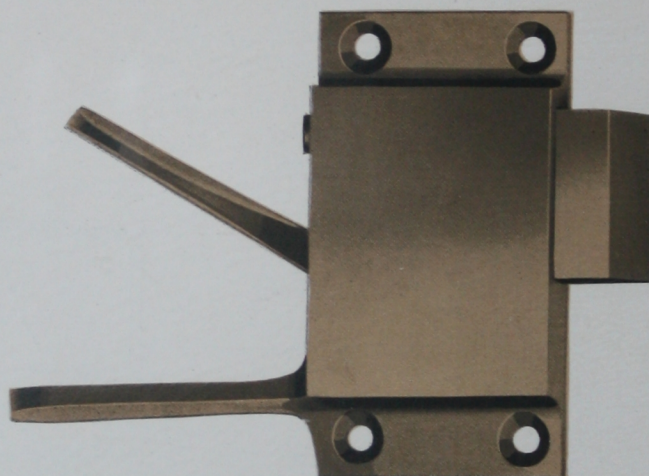
No. 10 Gravity Wedging Lock

Details on page 13



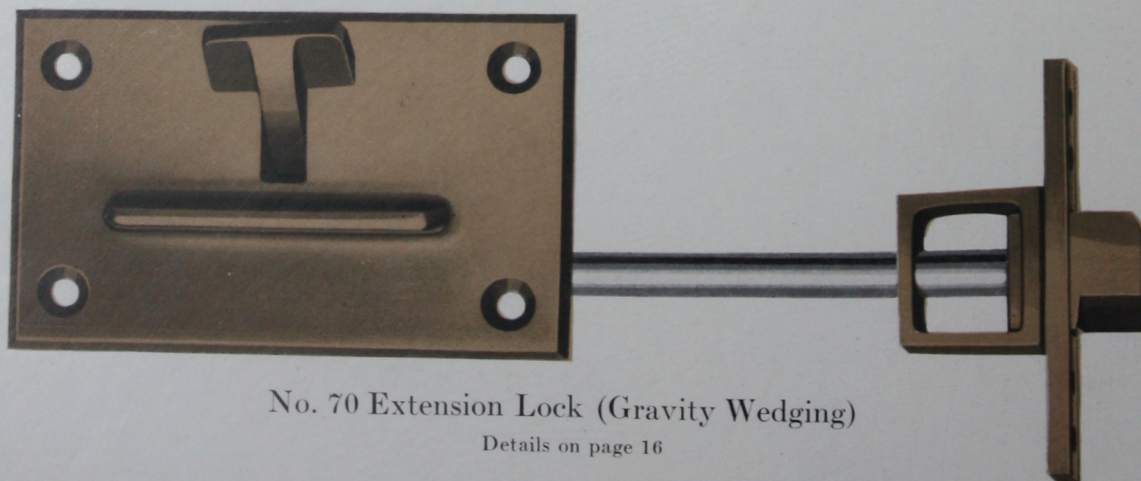
No. 23 Wedging Lock

Details on page 14



No. 24 Wedging Lock

Details on page 15

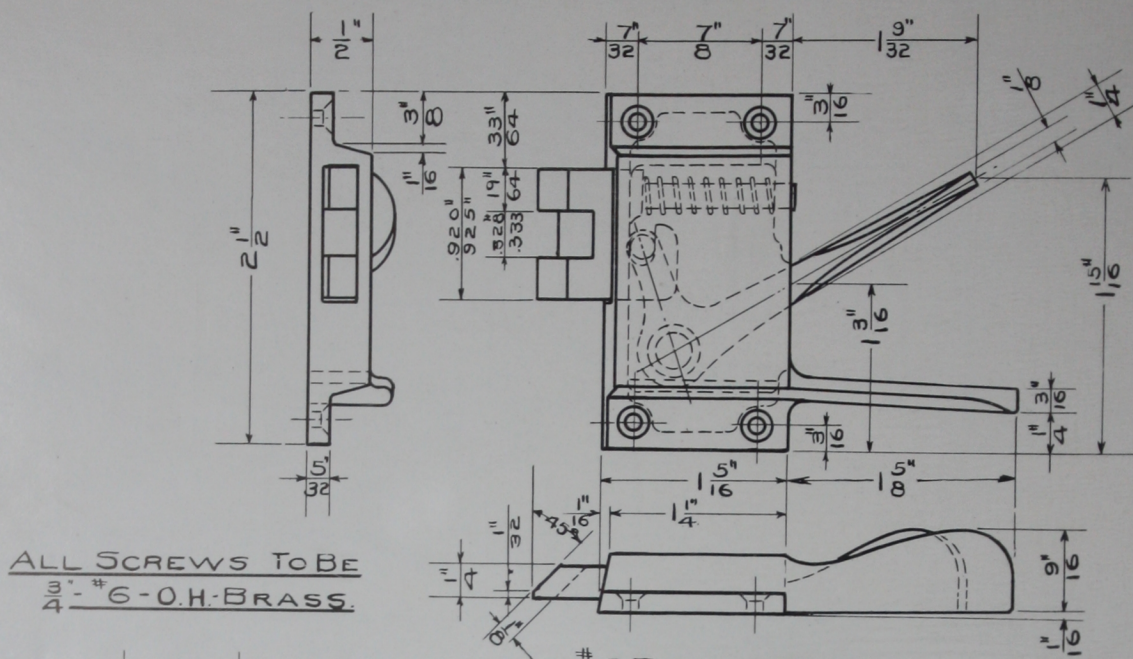


No. 70 Extension Lock (Gravity Wedging)

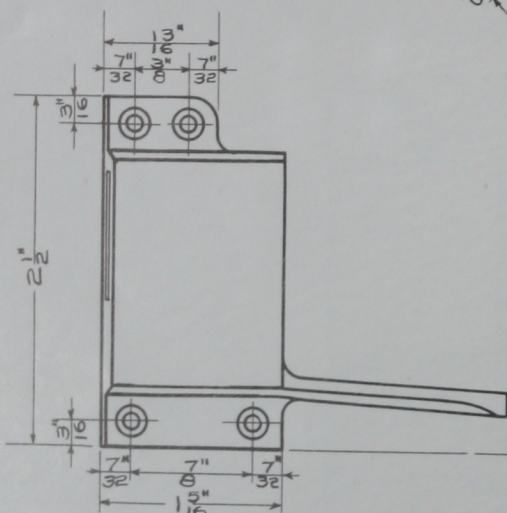
Details on page 16

All Locks Cast Bronze (Special Mixture)

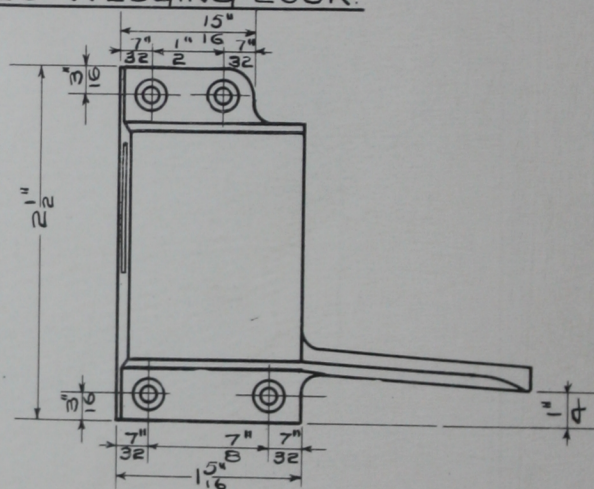
No. 23 Wedging Locks



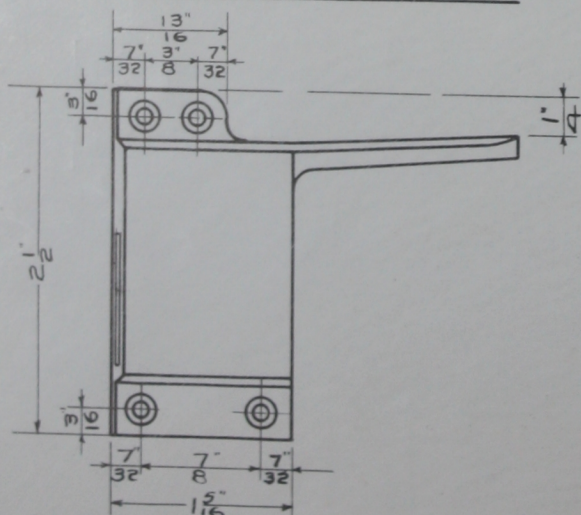
23 WEDGING LOCK.



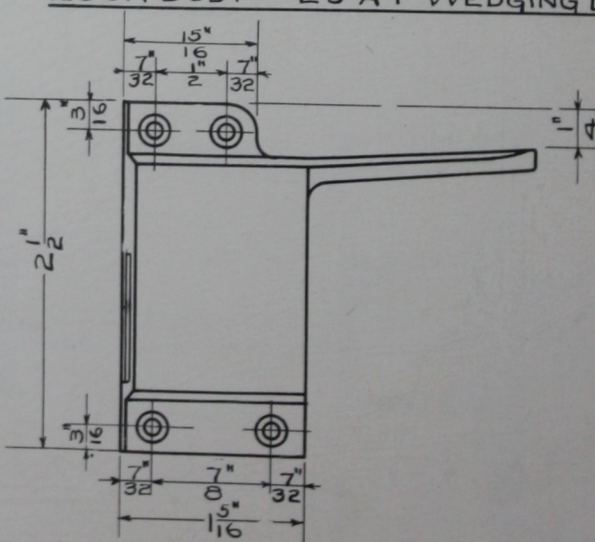
LOCK BODY - 23-A - WEDGING LOCK



LOCK BODY - # 23-A-1-WEDGING LOCK



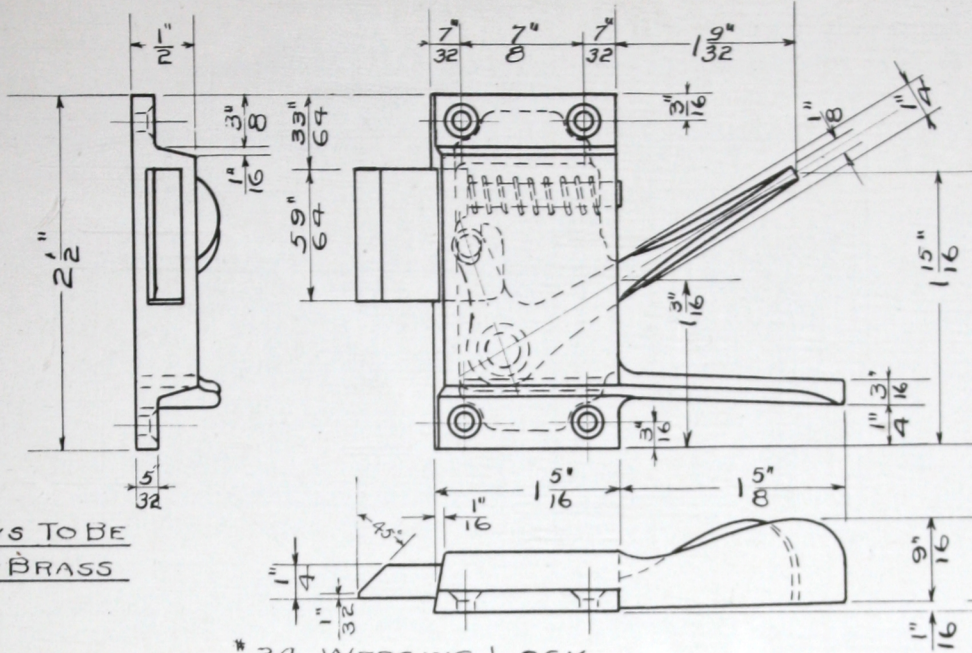
LOCK BODY - #23-B-WEDGING LOCK



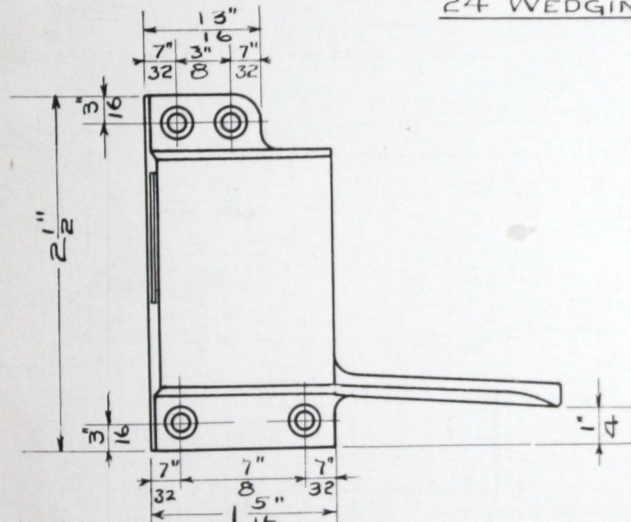
LOCK BOBY-[#]23-B-1-WEDGING LOCK

No. 24 Wedging Locks

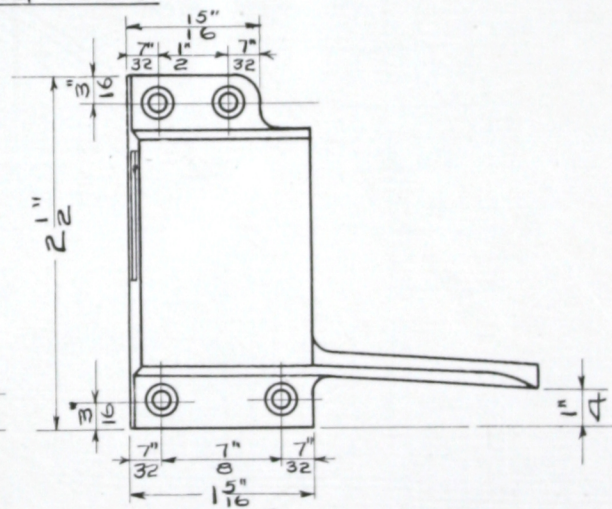
ALL SCREWS TO BE
3/4" - #6 OH - BRASS



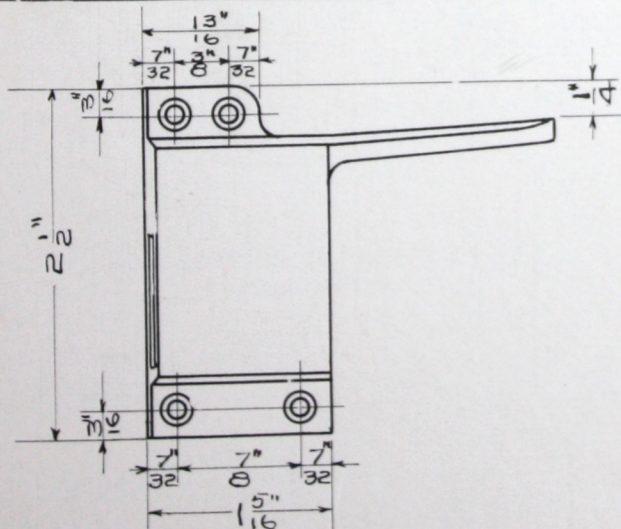
* 24 WEDGING LOCK



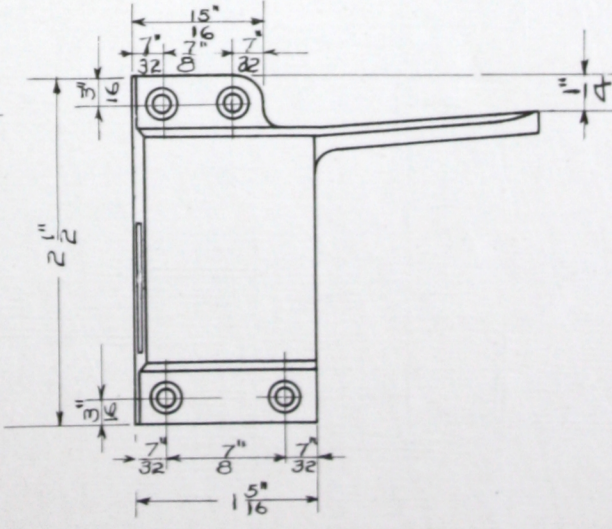
LOCK BODY - # 24-A WEDGING LOCK



LOCK BODY - # 24-A-1 WEDGING LOCK



LOCK BODY - # 24-B WEDGING LOCK

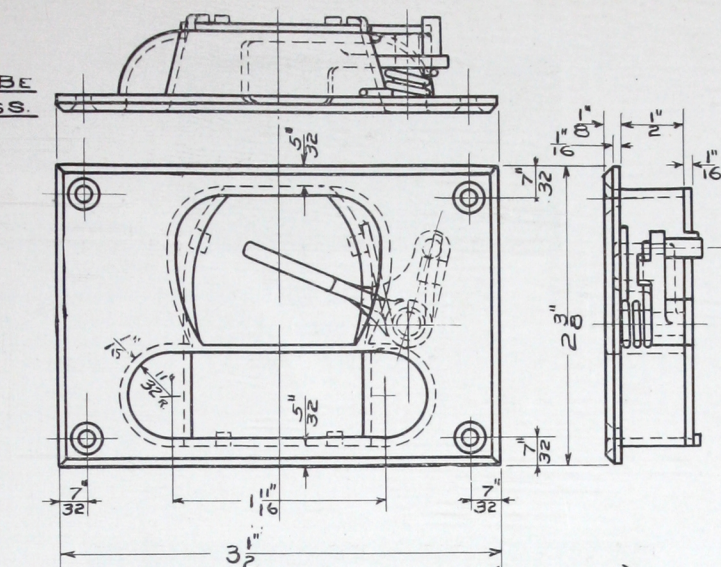


LOCK BODY - # 24-B-1 WEDGING LOCK

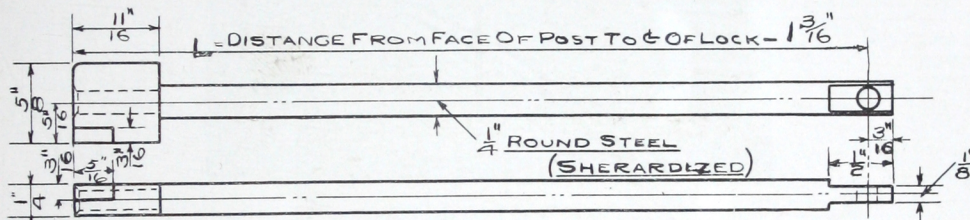
No. 80 Extension Type Gravity Wedging Lock

(FLUSH BODY)

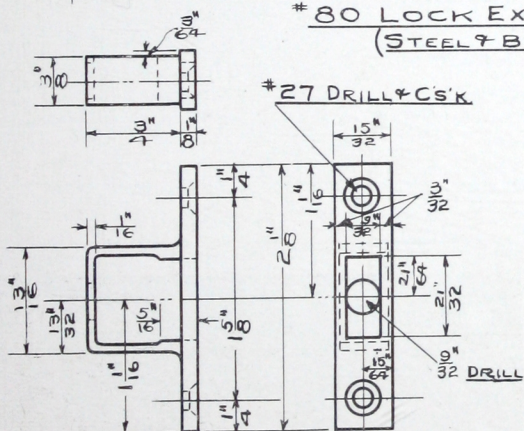
ALL SCREWS TO BE
3/4"-6 OH-BRASS.



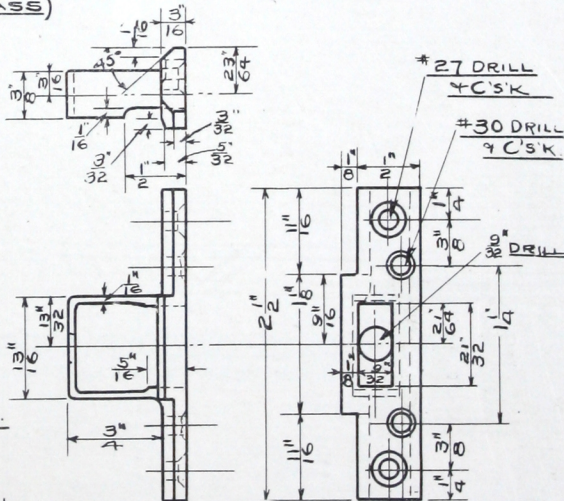
80 EXTENSION TYPE LOCK (BRONZE)



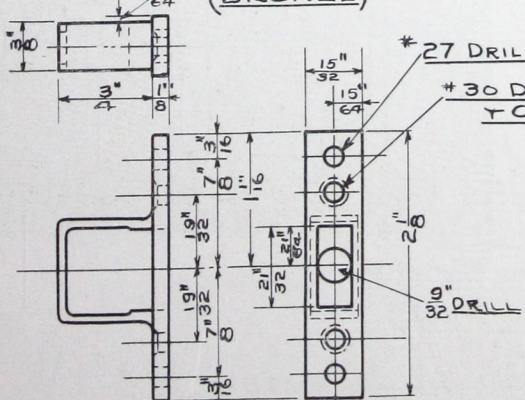
80 LOCK EXTENSION ROD
(STEEL & BRASS)



80 LOCK ESCUTCHEON.-PATT # B-6.
(BRONZE)



80 LOCK ESCUTCHEON.-PATT # B-308
(BRONZE)



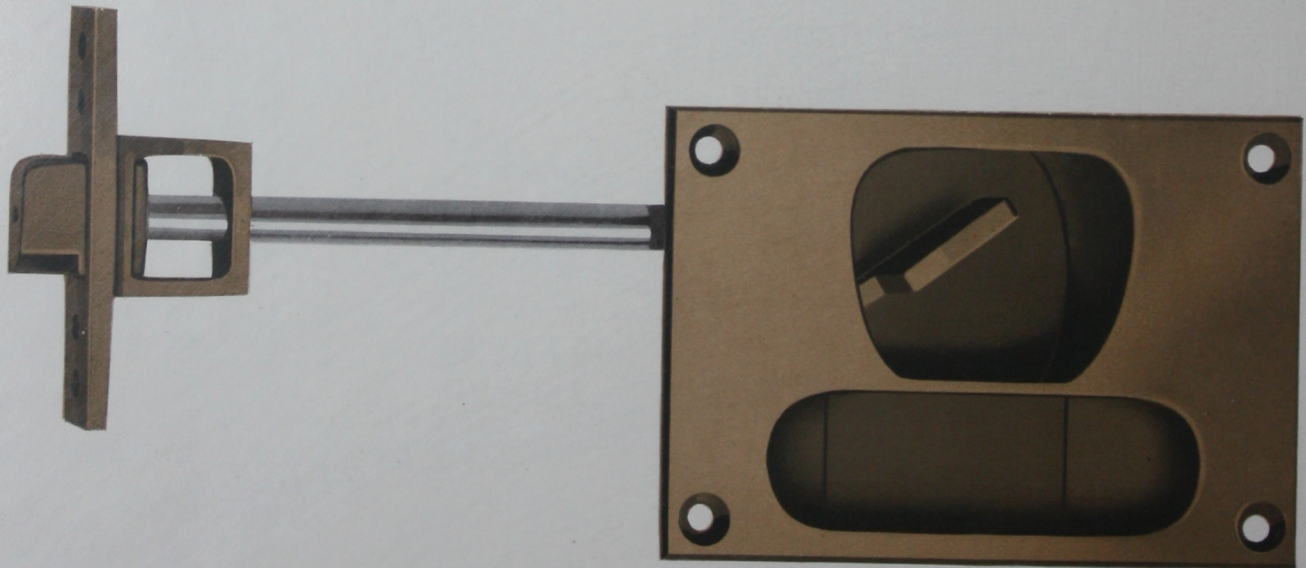
80 LOCK ESCUTCHEON.-PATT # B-54
(BRONZE)



No. 5 Plain Lift
(Extruded Brass)
Details on page 19



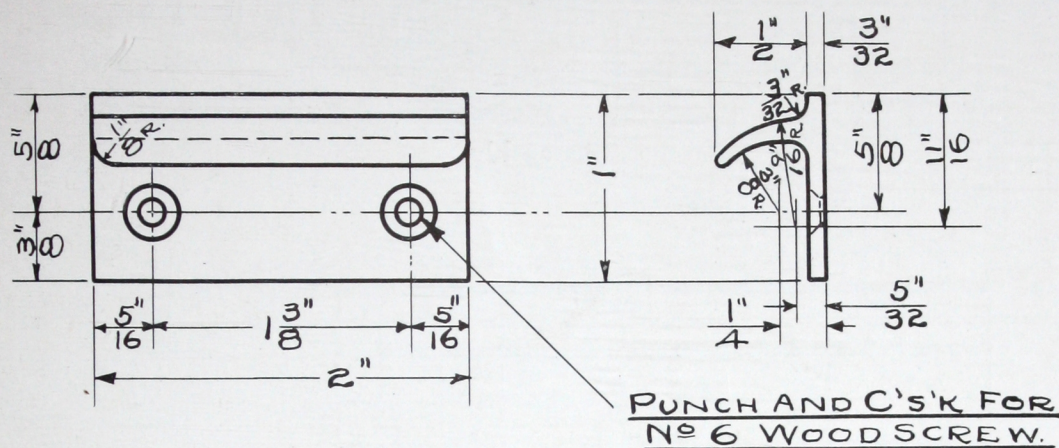
No. 15 Flush Lift
(Brass)
Details on page 19



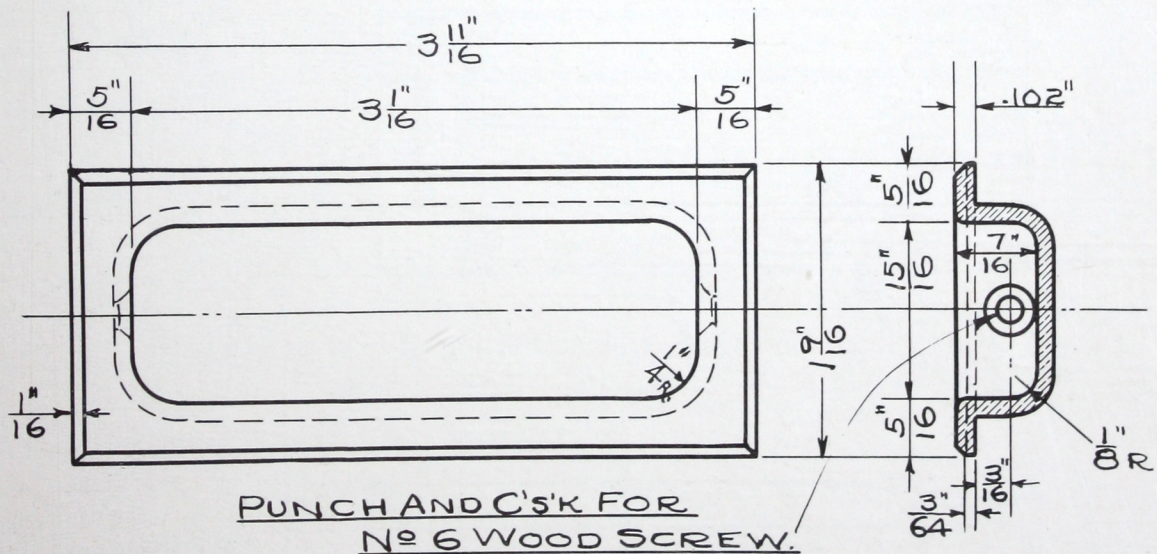
No. 80 Flush Type Extension Lock (Gravity Wedging)
Details on page 17

All Locks Cast Bronze (Special Mixture)

No. 5 and 15 Sash Lifts

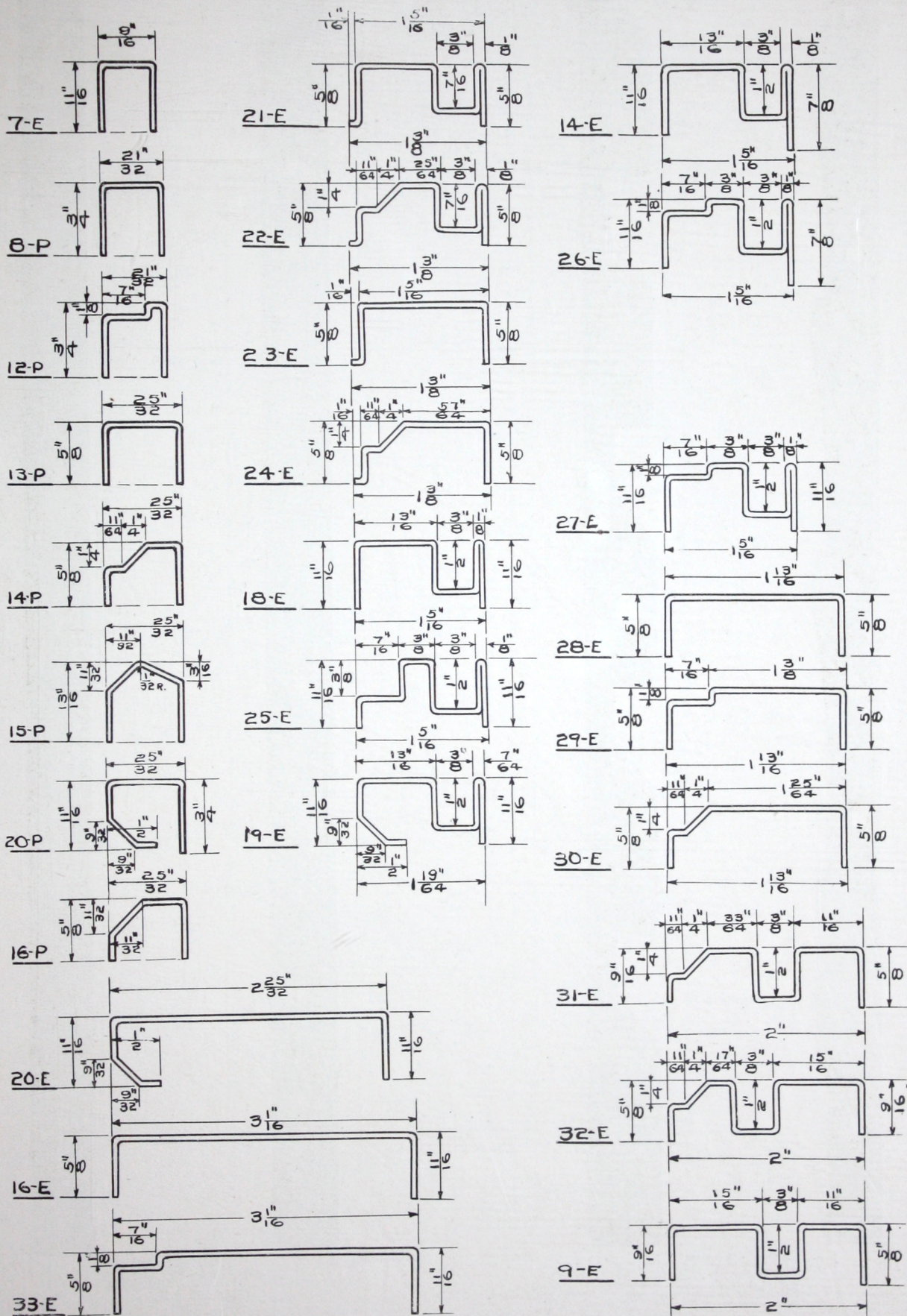


NO 5 SASH LIFT.
EXTRUDED BRASS.
PEN NO B-2013

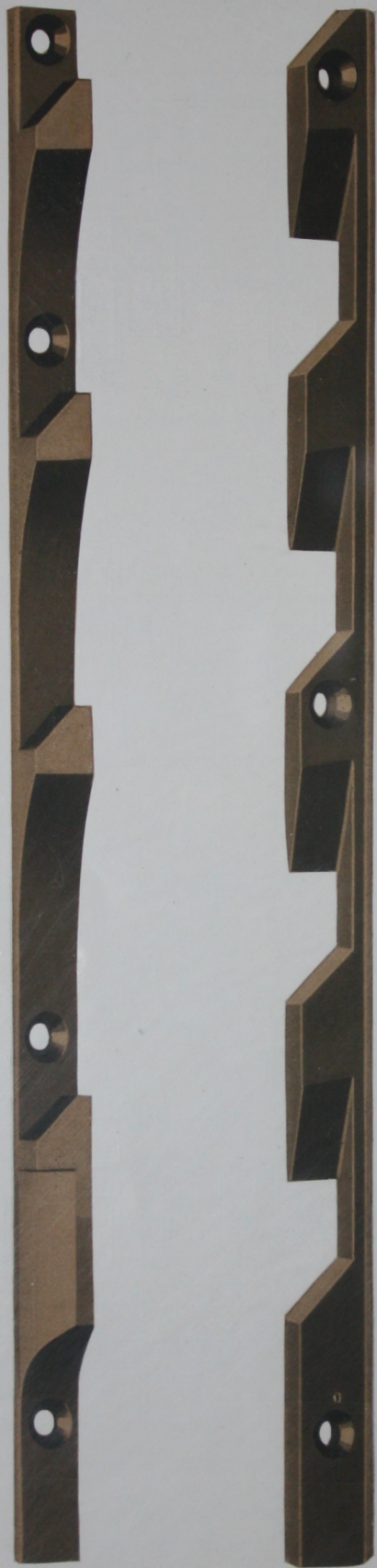


FLUSH SASH LIFT.
NO 10 GA. BRASS.
PEN NO B-2244

Stop Casings and Parting Strips



NOTE—Depth of section variable except sections 19-E, 20-P, 20-E, 21-E, 22-E, 23-E, 24-E



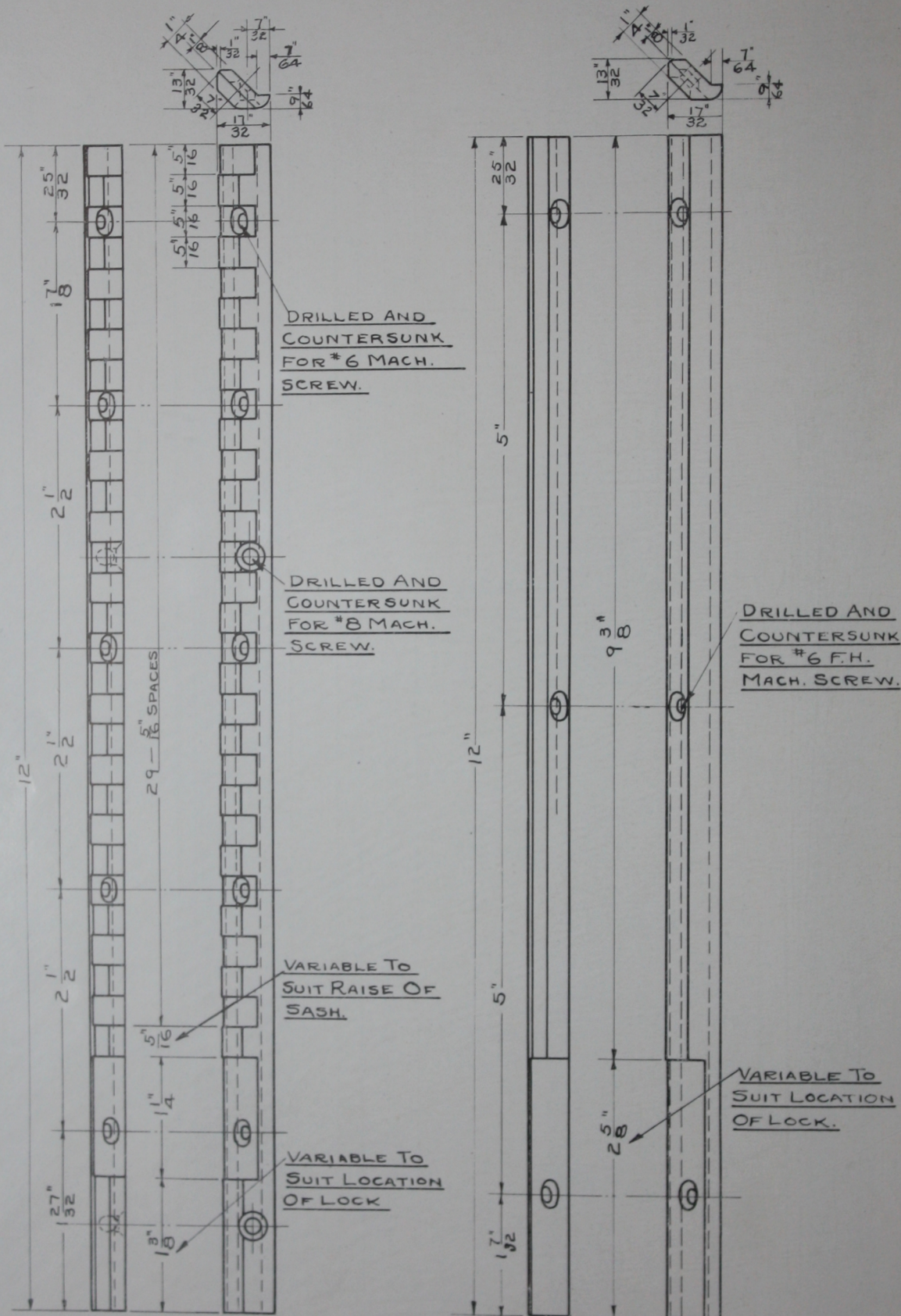
No. 10 and 70 Gravity Wedging Racks
(Special Bronze)



No. 20 and 24 Wedging Racks
(Extruded Brass)

Details on pages 23-24

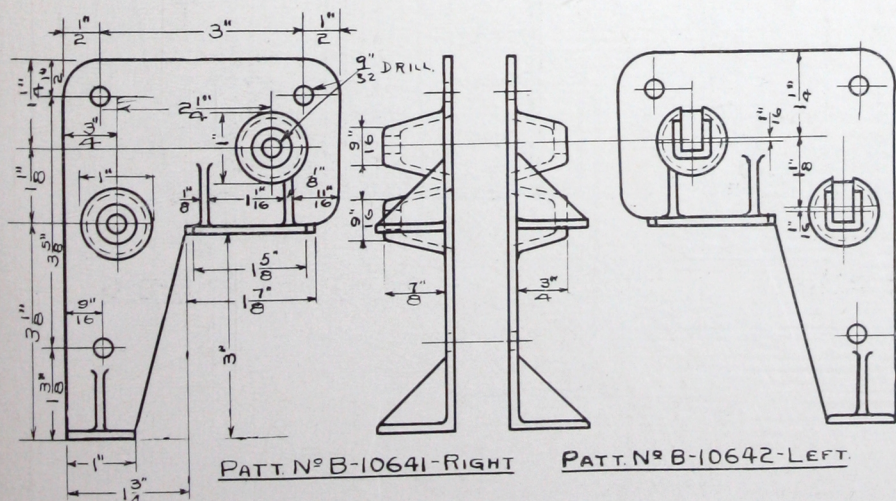
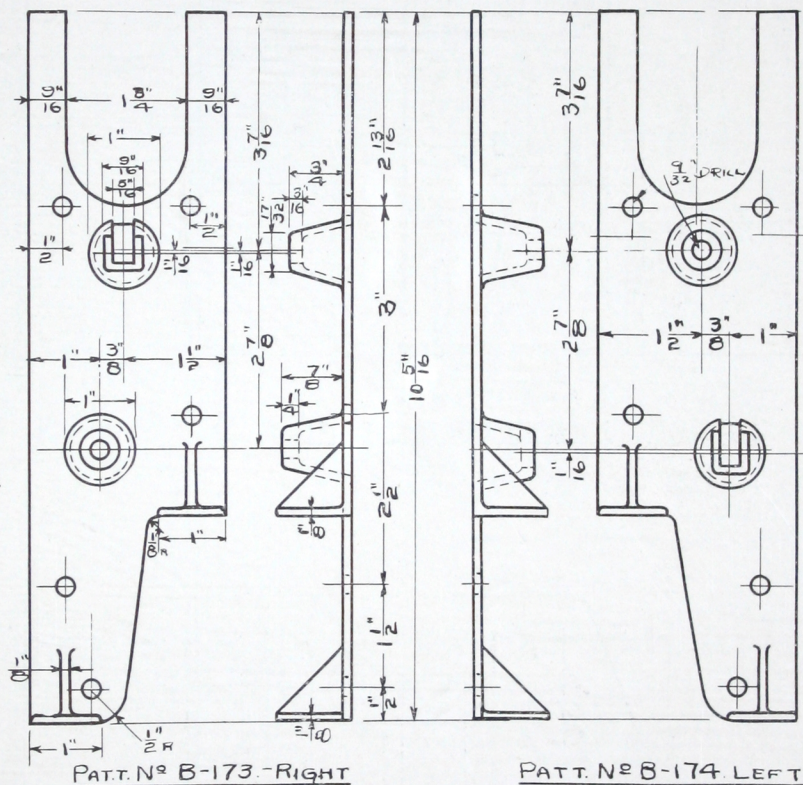
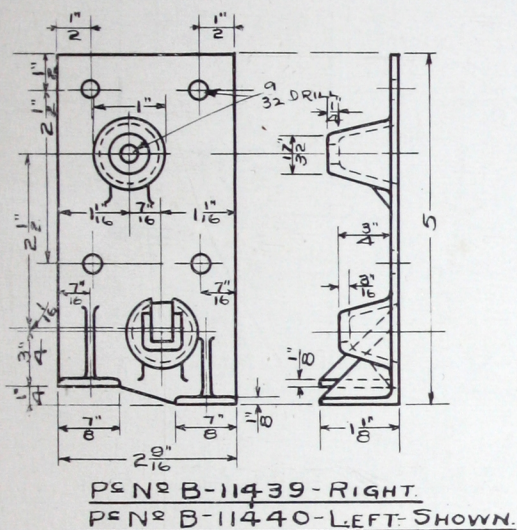
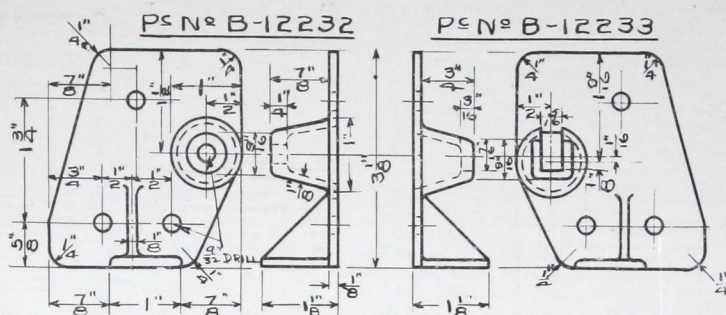
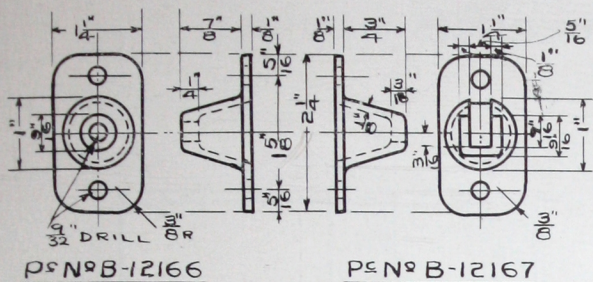
No. 20 and 24 Wedging Racks



No. 20 Wedging Rack
Detailed to Suit 9 1/2" Raise of Sash

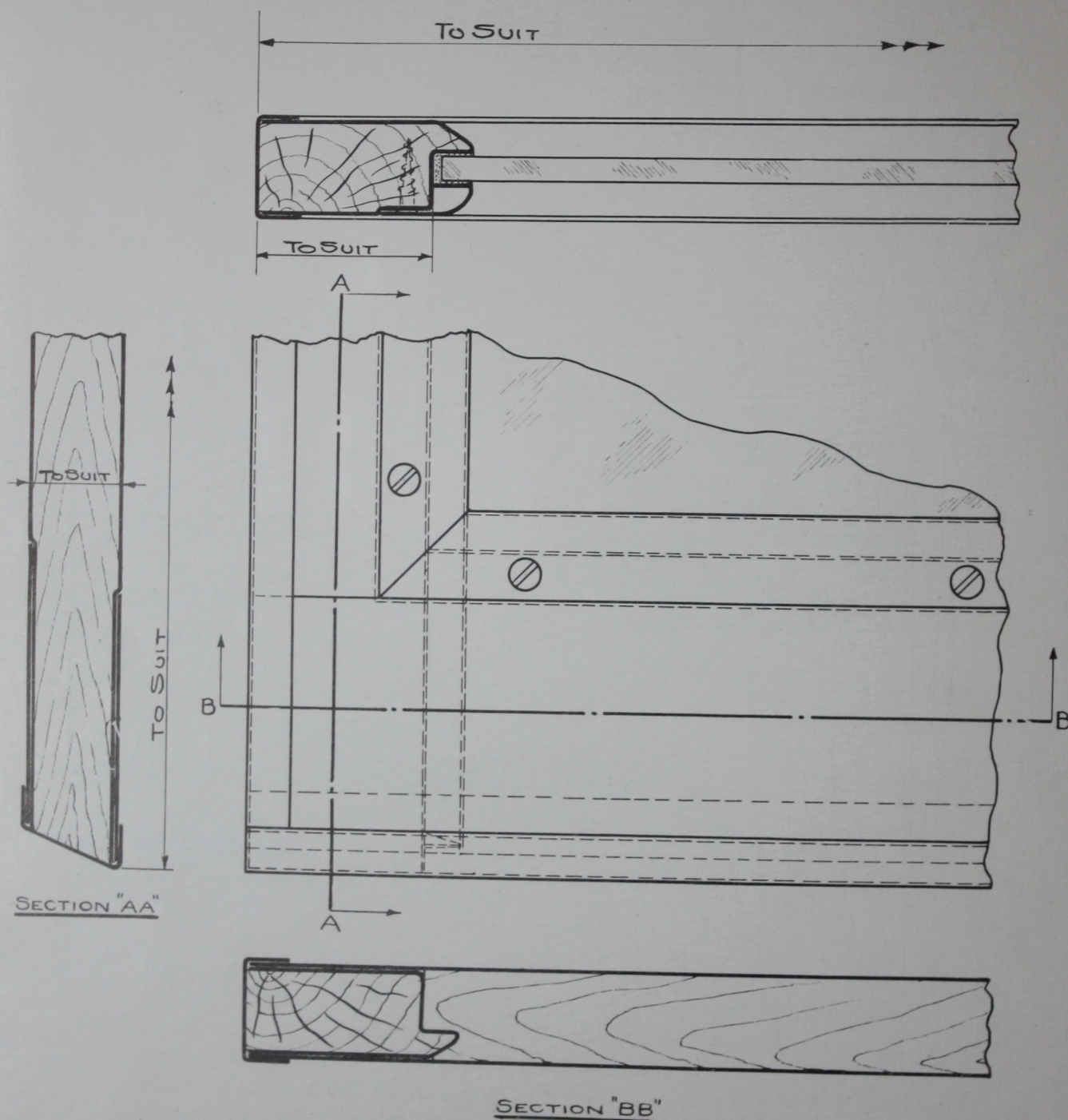
No. 24 Wedging Rack

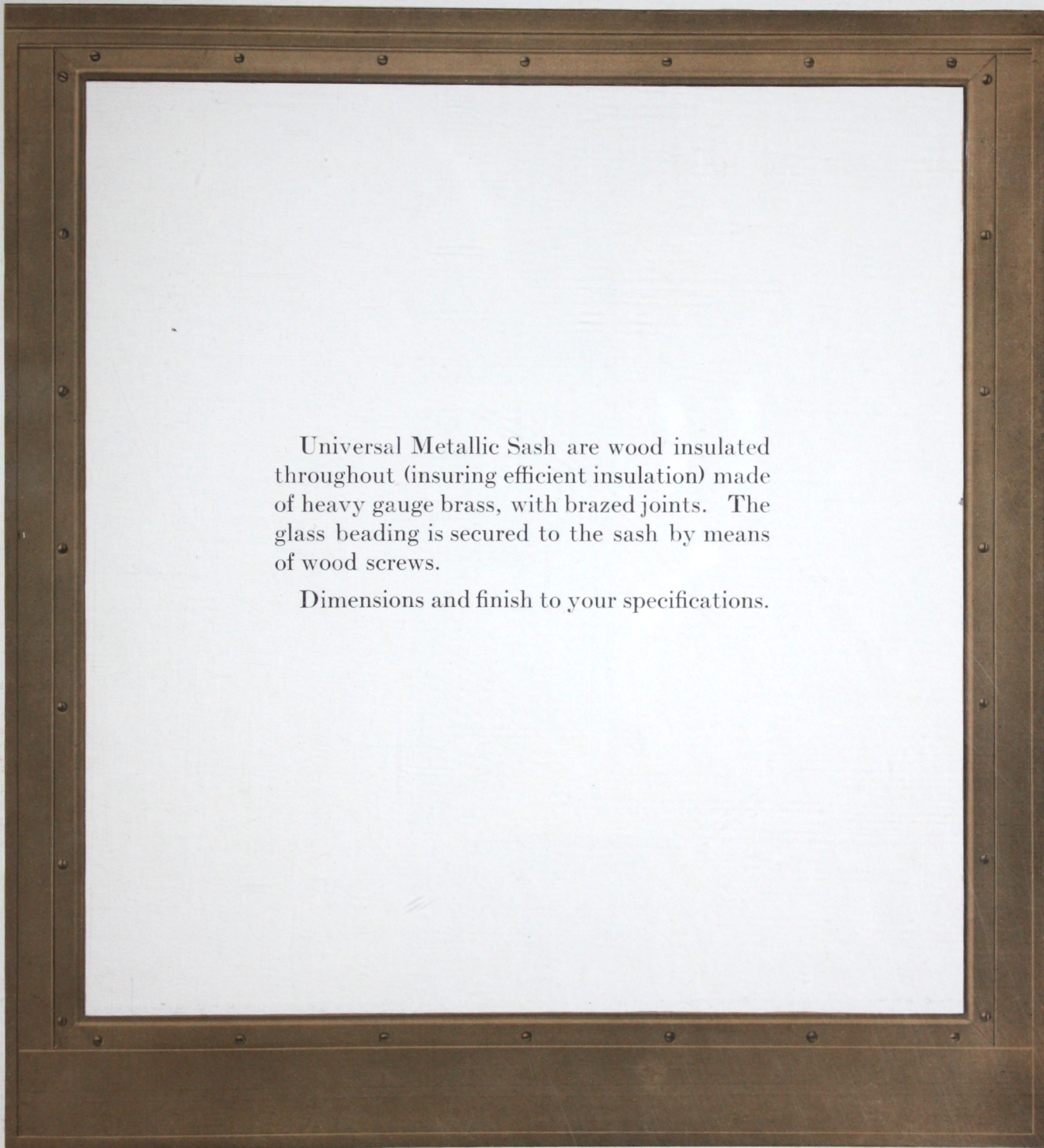
Sash Balance Brackets



NOTE:—Brackets furnished to suit Requirements

Corner Construction Metallic Sash





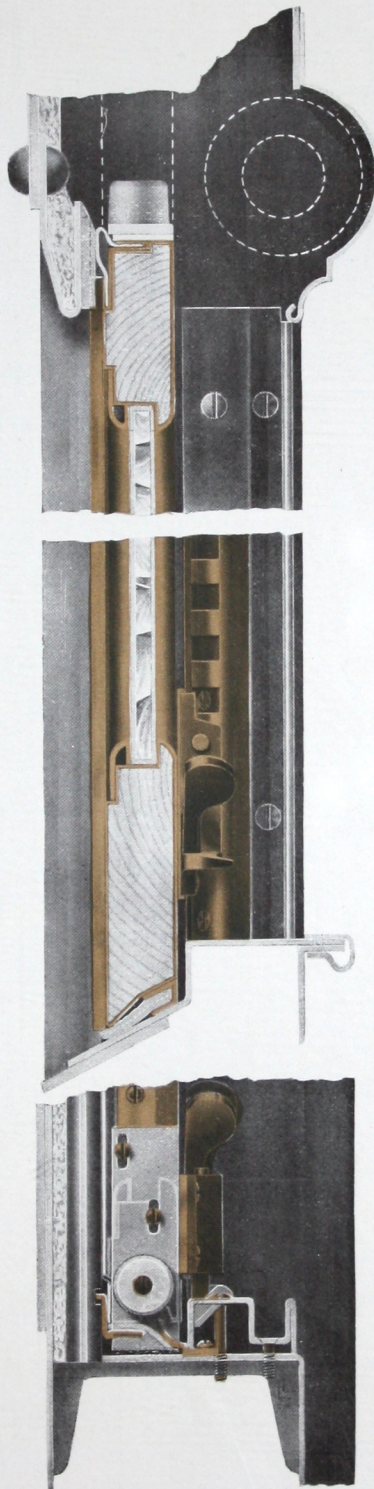
Universal Metallic Sash are wood insulated throughout (insuring efficient insulation) made of heavy gauge brass, with brazed joints. The glass beading is secured to the sash by means of wood screws.

Dimensions and finish to your specifications.



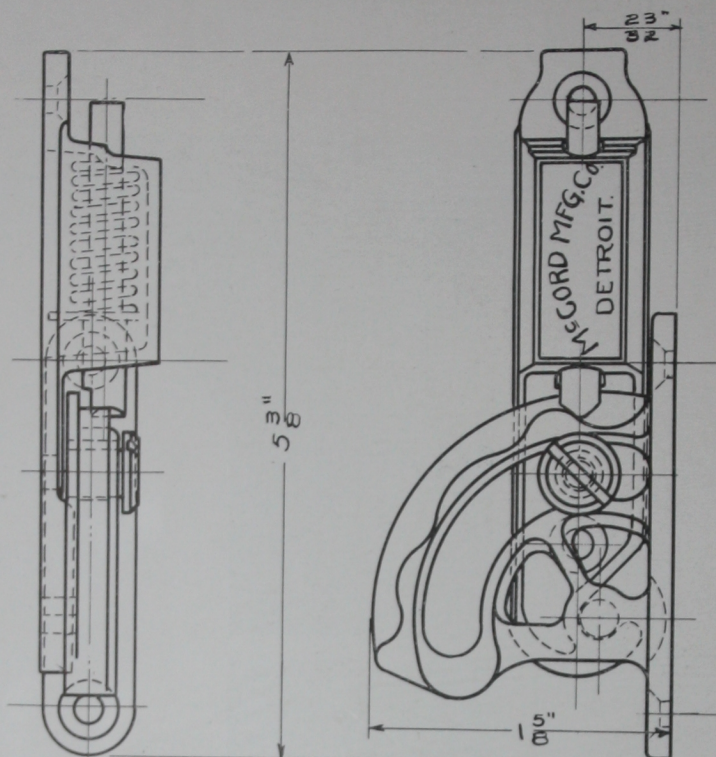
Inside face of Universal
Metallic Sash

Details of corner construction on page 28

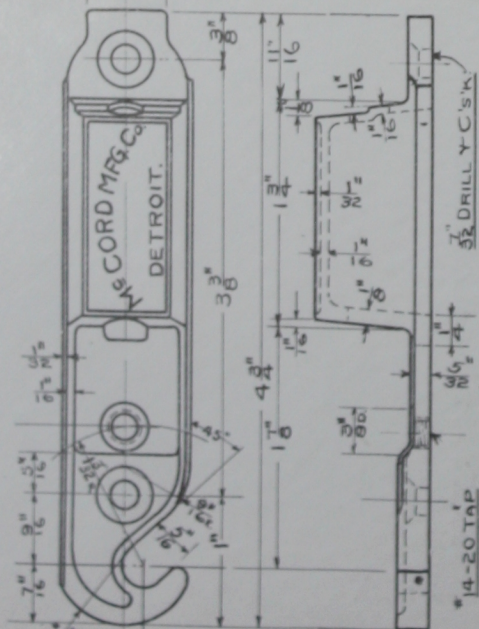
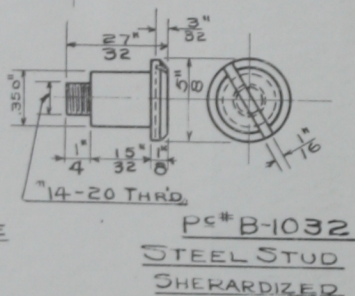
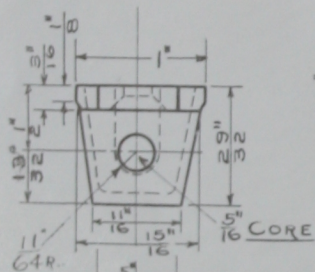


Application of Universal Metallic Sash
and Window Devices

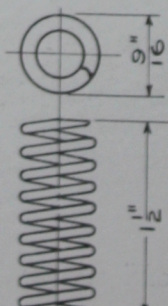
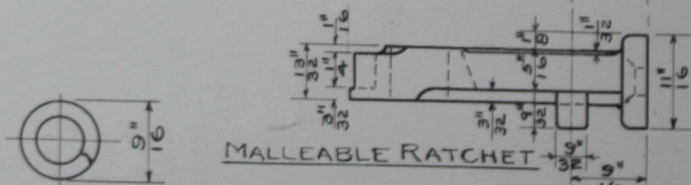
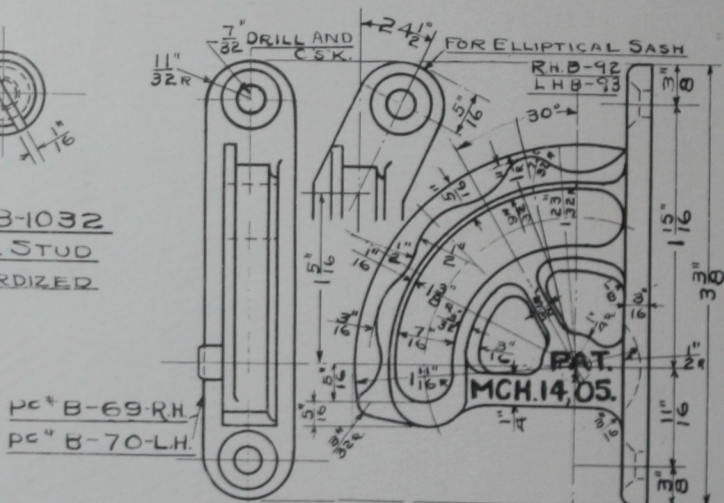
Deck Sash Ratchet



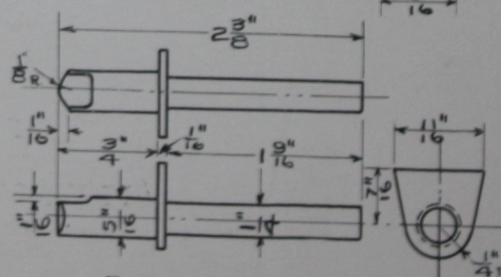
ASSEMBLY
PS # B-3059-R.H.
PS # B-3060-L.H.



MALLEABLE BASE
P⁶B-12266-R.H.
P⁶B-12267-L.H.



9-TURNS
BRONZE SPRING
PS# B-12269

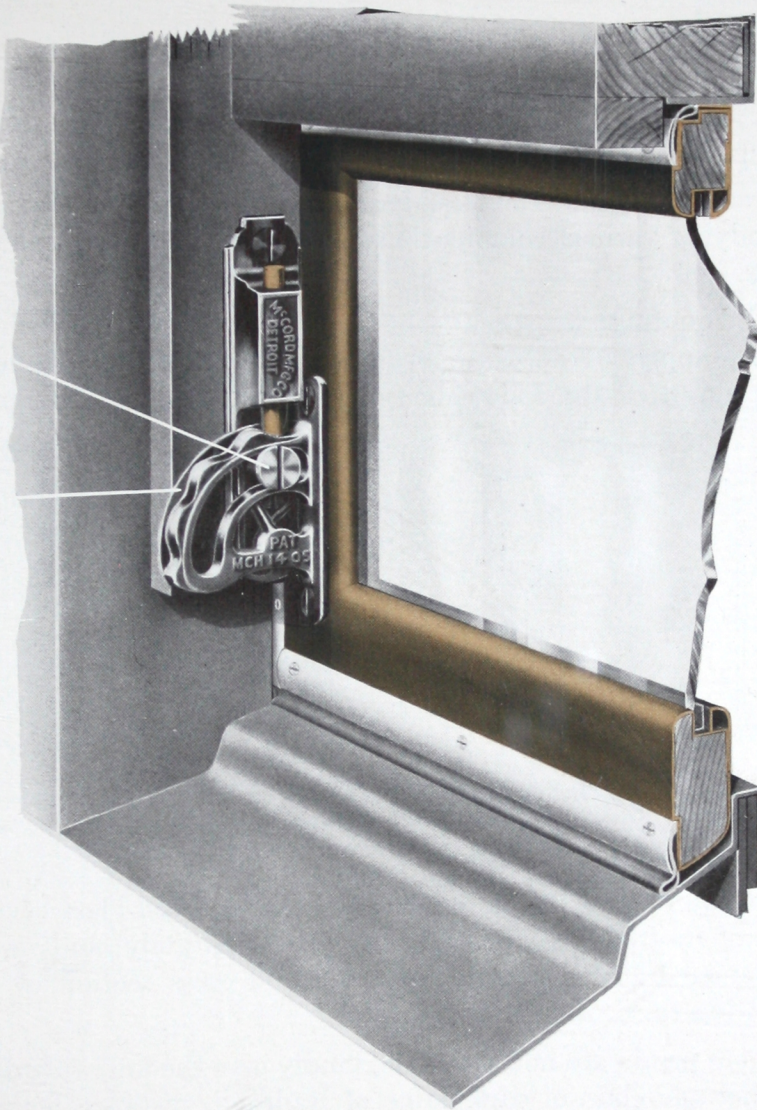


BRONZE BOLT
PS# B-12268

This stud prevents dis-assembly of ratchet, and is your protection against damage, etc., due to falling of Deck Sash.

This flange insures proper bearing of bolt on ratchet when sash is manipulated.

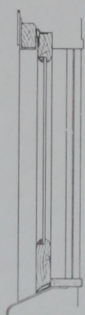
The flange and stud referred to above are found only in the Universal Deck Sash Ratchets.



Universal Deck Sash Ratchets are malleable iron equipped with bronze spring and plunger, which positively eliminates corrosion, and assures proper operation.

To facilitate transmission of information referring to our Universal Window Devices, facsimiles of certain design prints, embodying various combinations, are shown on the following pages.

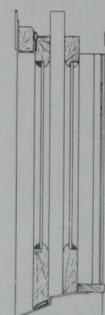
In quoting, we specify the type of window to which the fixtures apply. To obviate any possibility of misunderstanding, have indicated the following types of windows and references.



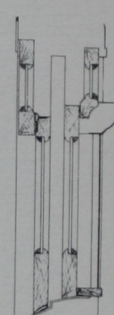
Single Sash
One part



Single Sash
Two parts



Double Sash
One part

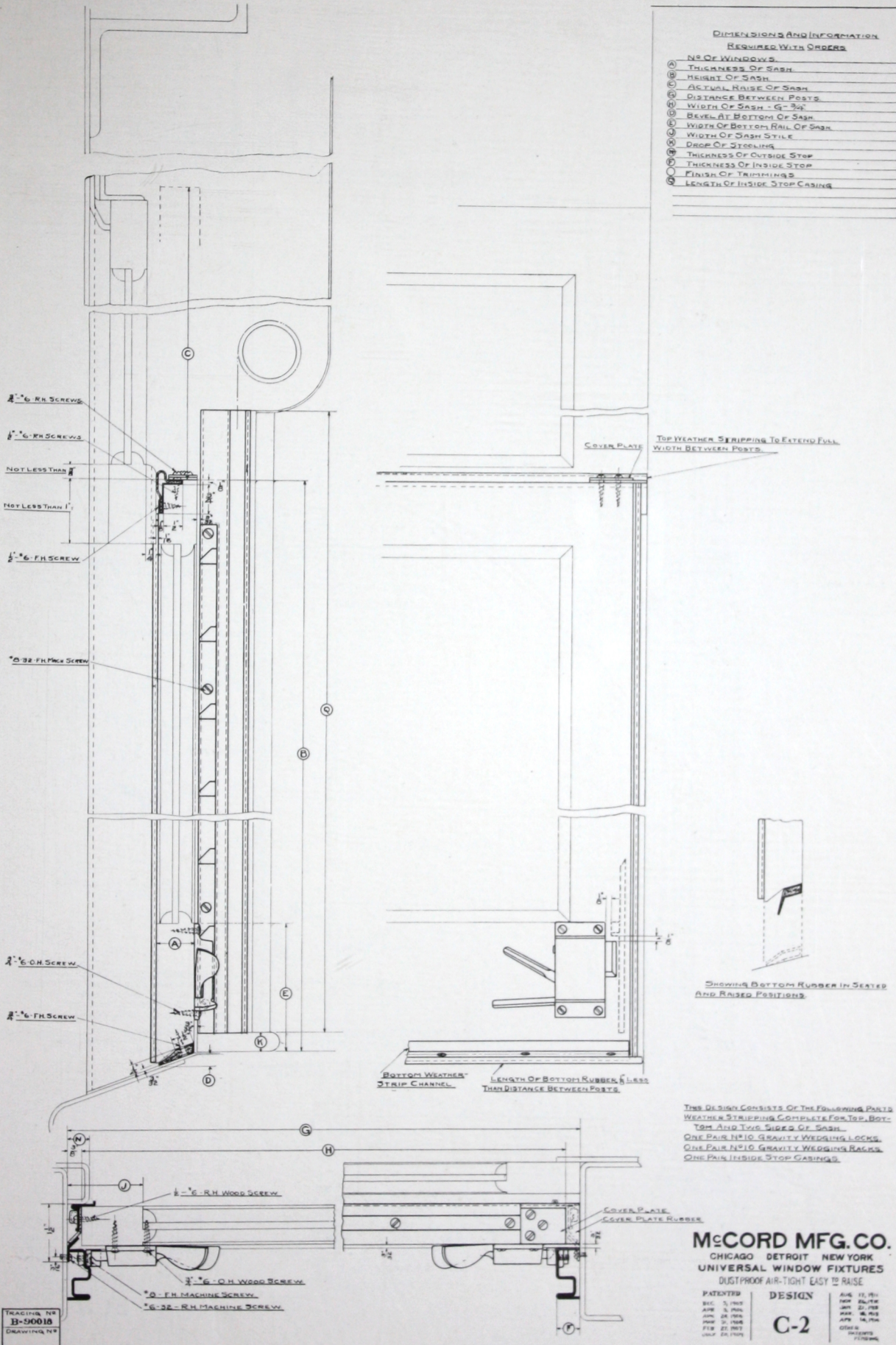


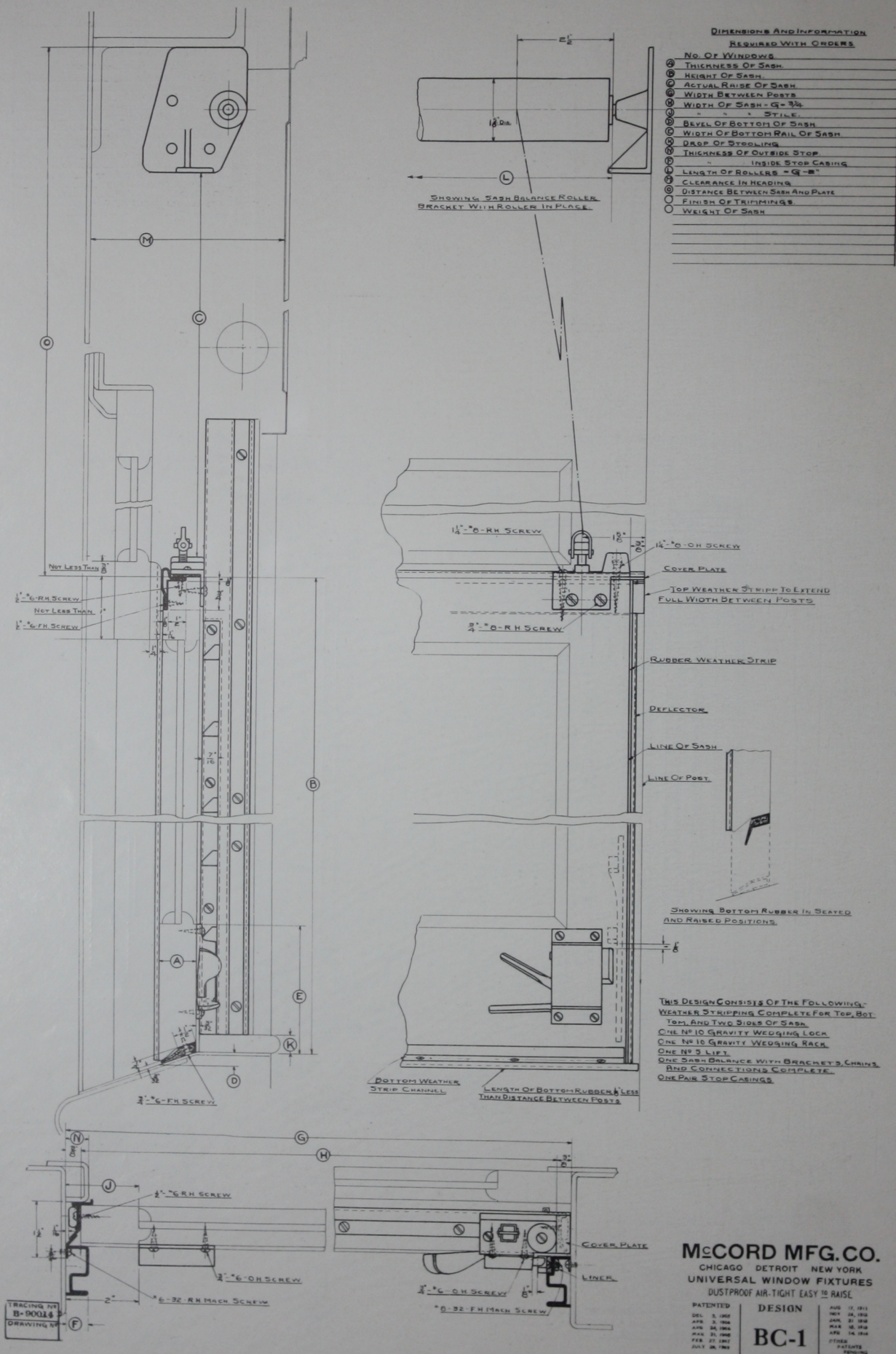
Double Sash
Two parts

All inquiries for prices should state number and class of cars, name of Railroad, equipment each sash separately, and be accompanied by blue prints, floor plan and cross section of car, indicating raise of sash required.

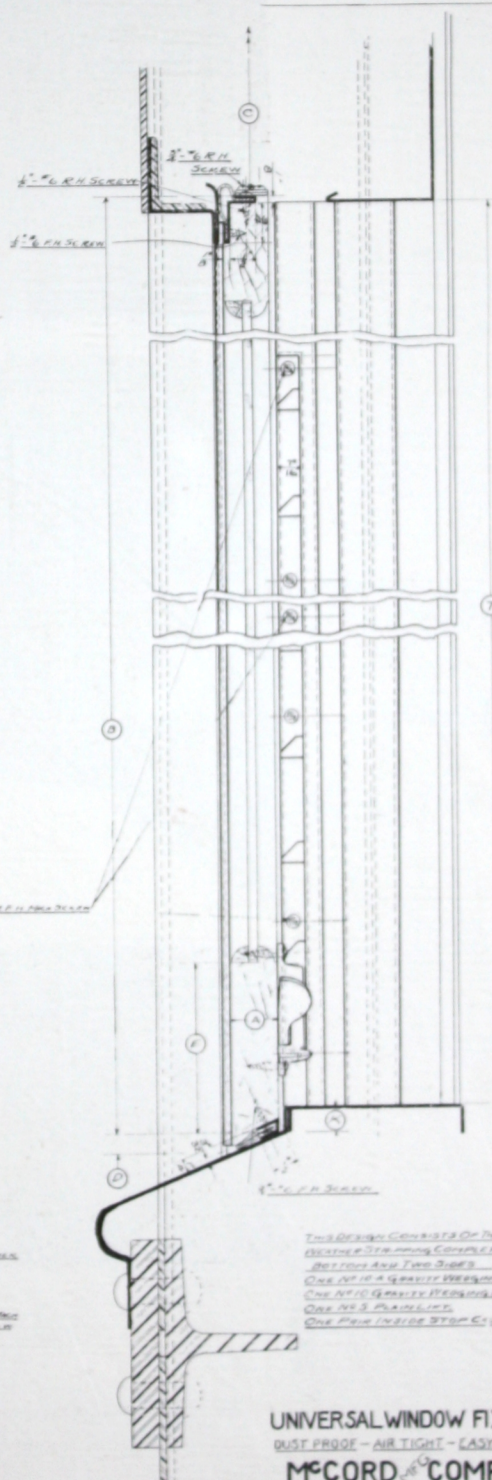
Where prints are not available, kindly give the following data: Number and class of cars, name of Railroad, distance between posts, height and raise of sash, number of sash per car and equipment per sash.

UNIVERSAL WINDOW DEVICES





DIMENSIONS & INFORMATION
REQUIRED WITH ORDERS



THIS DESIGN CONSISTS OF THE FOLLOWING
BESTER STAIRING COMPLETE FOR TOP,
BOTTOM AND TWO SIDES
ONE NO 10 GRAVITY WEDGING LOCK
ONE NO 10 GRAVITY WEDGING SPRING
ONE NO 3 PLAIN LINE
ONE PIN INSIDE STOP C. 1493

UNIVERSAL WINDOW FIXTURES
DUST PROOF - AIR TIGHT - EASY TO RAISE
MCCORD & COMPANY
CHICAGO - DETROIT - NEW YORK

PATENTED
Dec. 2, 1903
Dec. 2, 1903
Dec. 2, 1903
Dec. 2, 1903

C-1

PATENTED
Dec. 2, 1903
Dec. 2, 1903
Dec. 2, 1903
Dec. 2, 1903

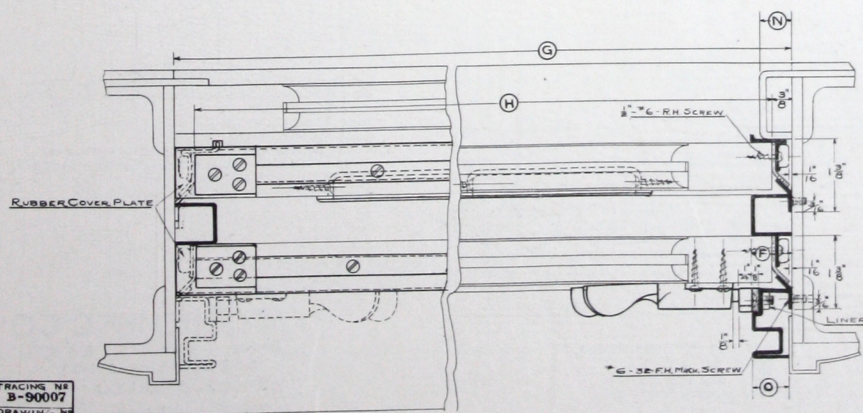
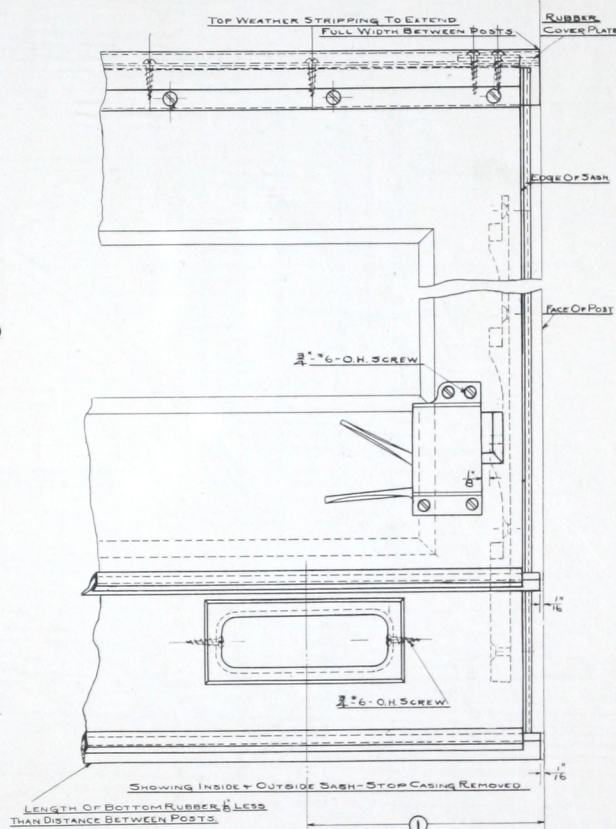
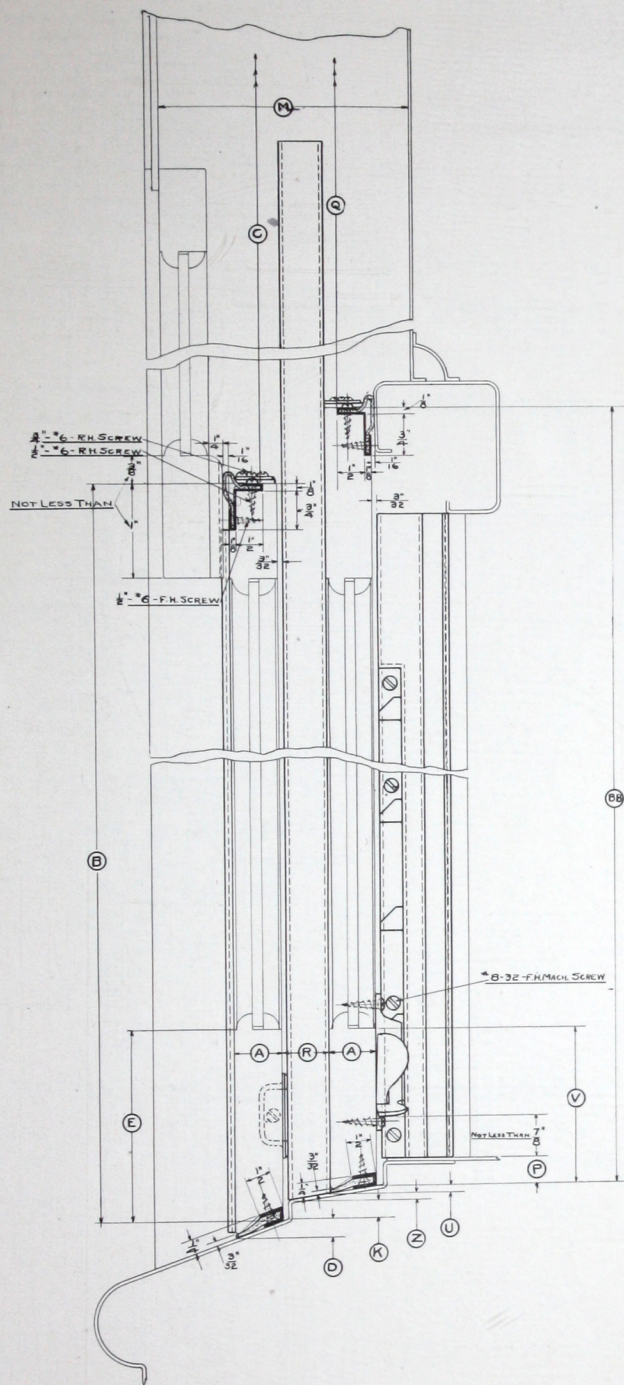


Weather Stripping Application
Same as indicated page 39

UNIVERSAL WINDOW DEVICES

DIMENSIONS AND INFORMATION REQUIRED WITH ORDERS

N° OF WINDOWS	
1	THICKNESS OF SASH
2	HEIGHT OF OUTSIDE SASH
3	INSIDE
4	WIDTH OF WINDOW OPENING
5	WIDTH OF SASH - $G = \frac{3}{4}$
6	DROP OF INSIDE STOOILING
7	" " OUTSIDE STOOILING
8	LEVEL OF BOTTOM OF INSIDE SASH
9	" " " OUTSIDE
10	DISTANCE BETWEEN SASHES
11	DROP OF STOOILING BETWEEN SASHES
12	WIDTH OF SASH STILE
13	" " BOTTOM RAIL OF INSIDE SASH
14	" " " OUTSIDE
15	POST TO ϕ OF LIFT
16	THICKNESS OF OUTSIDE STOP
17	" " PARTING STRIP
18	" " STOP CASING
19	ACTUAL RAISE OF OUTSIDE SASH
20	" " INSIDE
21	FINISH OF TRIMMINGS
22	CLEARANCE IN HEADING



THIS DESIGN CONSISTS OF THE FOLLOWING PARTS.
 (OUTSIDE SASH)
 WEATHER STRIPPING COMPLETE FOR TOP, BOT-
 TOM AND TWO SIDES.
 TWO NO. 12 FLUSH LIFTS ON WIDE WINDOWS.
 ONE NO. 12 FLUSH LIFT ON NARROW WINDOWS
 (INSIDE SASH)
 WEATHER STRIPPING COMPLETE FOR TOP, BOT-
 TOM AND TWO SIDES.
 TWO NO. 10 GRAVITY WEDGING LOCKS.
 TWO NO. 10 GRAVITY WEDGING RACKS.
 ONE PAIR OF PARTING STRIPS.
 ONE PAIR OF STOP CASINGS.

McCORD MFG. CO.
 CHICAGO DETROIT NEW YORK
 UNIVERSAL WINDOW FIXTURES
 DUSTPROOF AIR-TIGHT EASY TO RAISE

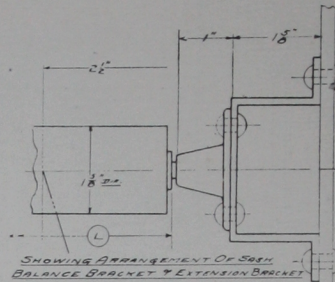
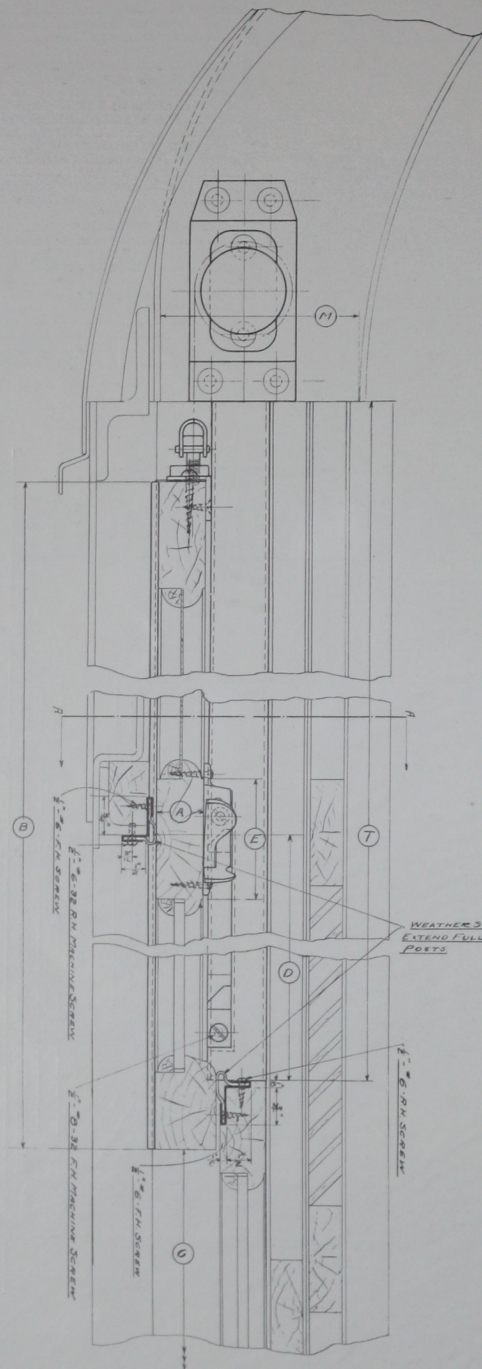
PATENTED
 DEC. 5, 1900
 APR. 2, 1904
 APR. 20, 1905
 MAR. 31, 1906
 FEB. 17, 1907
 JULY 26, 1908

DESIGN
BC-21

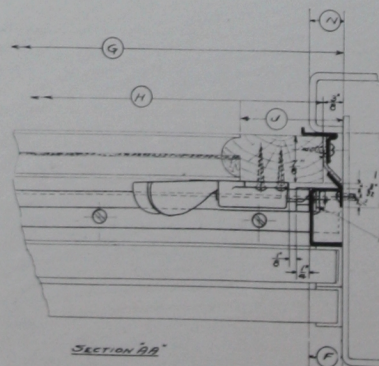
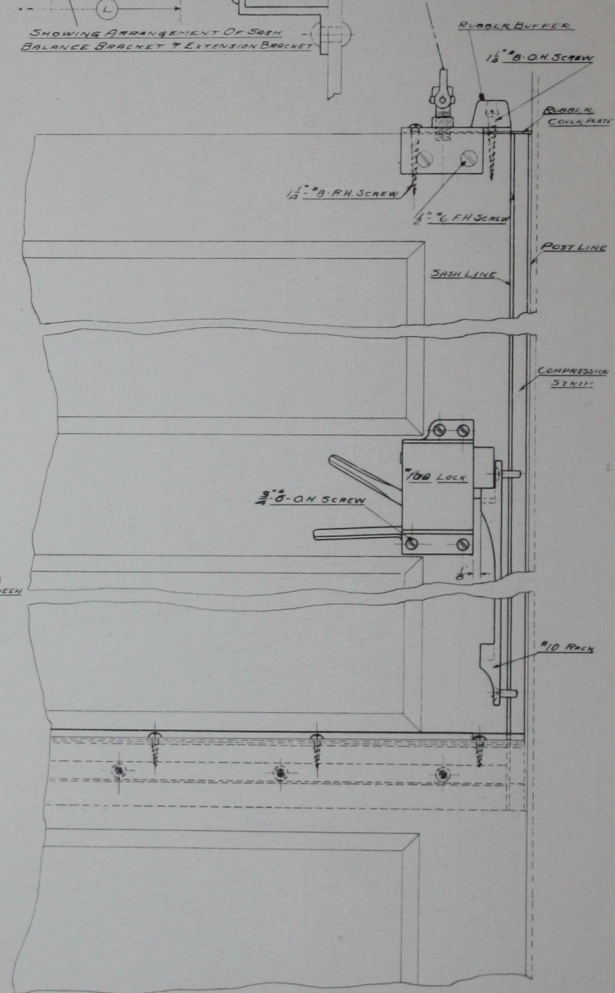
AUG. 12, 1901
 JAN. 16, 1902
 MAY 11, 1903
 MAR. 10, 1904
 APR. 14, 1906
 OTHER
 PATENTS
 PENDING

TRADING NO.
B-90007
 DRAWING IN

MCCORD MANUFACTURING CO., DETROIT



- DIMENSIONS AND INFORMATION REQUIRED WITH ORDERS**
- ① NO. OF WINDOWS
 - ② THICKNESS OF SASH
 - ③ HEIGHT OF SASH
 - ④ WIDTH OF WINDOW OPENING
 - ⑤ WIDTH OF SASH - G - 1/2"
 - ⑥ WIDTH OF SASH STILE
 - ⑦ ACTUAL DROP OF SASH
 - ⑧ CLEAR OPENING FROM TOP OF INSIDE SASH
 - ⑨ WIDTH OF CENTER RAIL OF SASH
 - ⑩ THICKNESS OF INSIDE STOP
 - ⑪ THICKNESS OF OUTSIDE STOP
 - ⑫ FINISH OF TRIMMINGS
 - ⑬ LENGTH OF INSIDE STOP CASING
 - ⑭ LENGTH OF ROLLER - G - 2"
 - ⑮ CLEARANCE TRIMMING



THIS DESIGN CONSISTS OF THE FOLLOWING PARTS
 WEATHER STRIPPING COMPLETE FOR TOP, BOTTOM
 AND TWO SIDES
 TWO NO. 10 LOCKS
 TWO NO. 10 RAILS
 ONE SASH ROLLER ROLLER WITH BEARINGS
 CHAINS AND CHAIN CONNECTIONS COMPLETE
 ONE PAIR INSIDE STOP CASINGS

DEPRESSION 1/8" OVER AND
 1/16" WIDE FOR RAILS

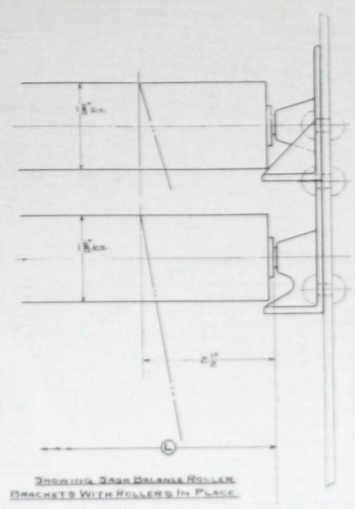
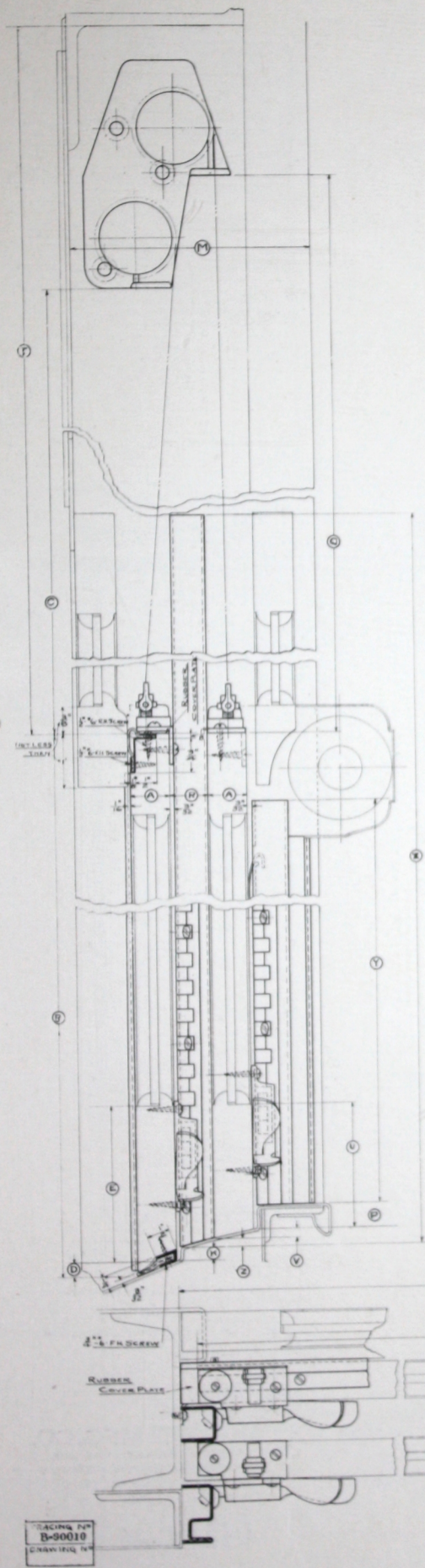
MCCORD MFG CO.
 CHICAGO. DETROIT. NEW YORK

UNIVERSAL WINDOW FIXTURES
 DUSTPROOF-AIR TIGHT-EASY TO RAISE.

PATENTED.
 DEC. 5, 1905. DESIGN.
 APR. 2, 1906. BC-4
 APR. 24, 1906. PATENTS PENDING
 FEB. 27, 1908. JULY 25, 1908. 7-28-10.

TRACING IN B
 B-90001
 DRAWING IN B

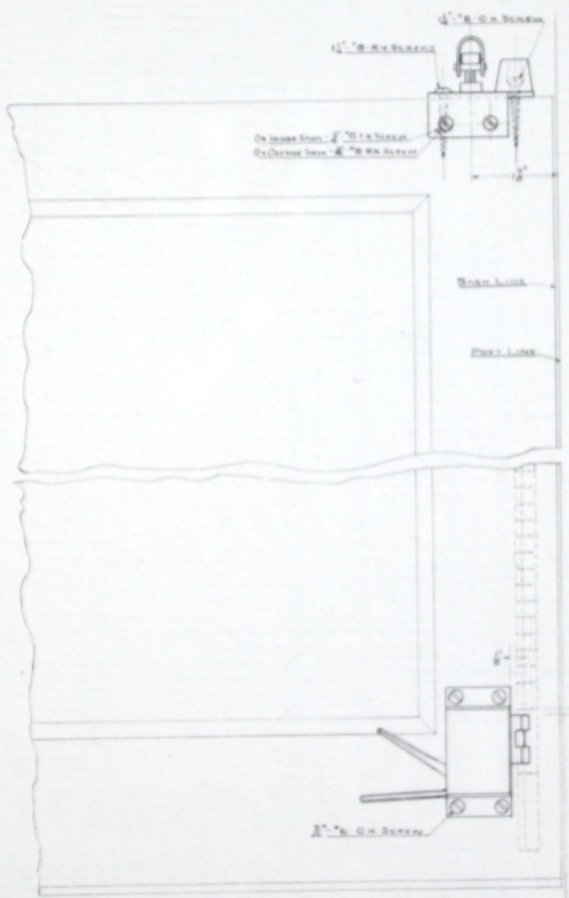
UNIVERSAL WINDOW DEVICES



DIMENSIONS AND INFORMATION
REQUIRED WITH ORDERS

1	NO. OF WINDOWS
2	THICKNESS OF SASH
3	HEIGHT OF OUTSIDE SASH
4	ACTUAL RAISE OF OUTSIDE SASH
5	INSIDE SASH
6	BEVEL OF BOTTOM OF OUTSIDE SASH
7	WIDTH OF BOTTOM RAIL OF OUTSIDE SASH
8	INSIDE
9	WIDTH BETWEEN POSTS
10	OF OUTSIDE SASH OR
11	OF SASH STILE
12	DROP OF INSIDE STEELING
13	OUTSIDE
14	LENGTH OF STOP CASING
15	PARTING STRIP
16	BEVEL OF STEELING BETWEEN SASH
17	DISTANCE BETWEEN SASH
18	THICKNESS OF PARTING STRIP
19	OUTSIDE STOP
20	STOP CASING
21	BEVEL OF BOTTOM OF INSIDE SASH
22	FINISH OF TRIMMING
23	DISTANCE BETWEEN TOP OF SASH PLATE
24	LENGTH OF SASH OR
25	CLEARANCE IN HEADING
26	WEIGHT OF OUTSIDE SASH
27	INSIDE

SHOWING SASH BALANCE ROLLER
BRACKETS WITH ROLLERS IN PLACE



The Design Consists Of The Following Parts:
One Pair Parting Strips
One Pair Inside Stop Casings
Two Sash Balance Rollers With Casing Corn
Screws And Brackets Complete
(Inside Sash)
Two No. 2 Vertical Locks
Two No. 2 Vertical Ratchets
Two No. 2 Ratchet Screws
(Outside Sash)
Two No. 2 Vertical Locks
Two No. 2 Vertical Ratchets
Weather Stripping Cam Bolts For The Bottoms
And Two Screws For Sash

McCORD MFG. CO.
CHICAGO DETROIT NEW YORK
UNIVERSAL WINDOW FIXTURES
DUSTPROOF AIR-TIGHT EASY TO RAISE

PATENTED	DESIGN	FILED
NOV. 5, 1900	NOV. 5, 1900	NOV. 5, 1900
NOV. 5, 1900	NOV. 5, 1900	NOV. 5, 1900
NOV. 5, 1900	NOV. 5, 1900	NOV. 5, 1900
NOV. 5, 1900	NOV. 5, 1900	NOV. 5, 1900
NOV. 5, 1900	NOV. 5, 1900	NOV. 5, 1900

ALPHA P.M.
B-90010
CHICAGO 1900

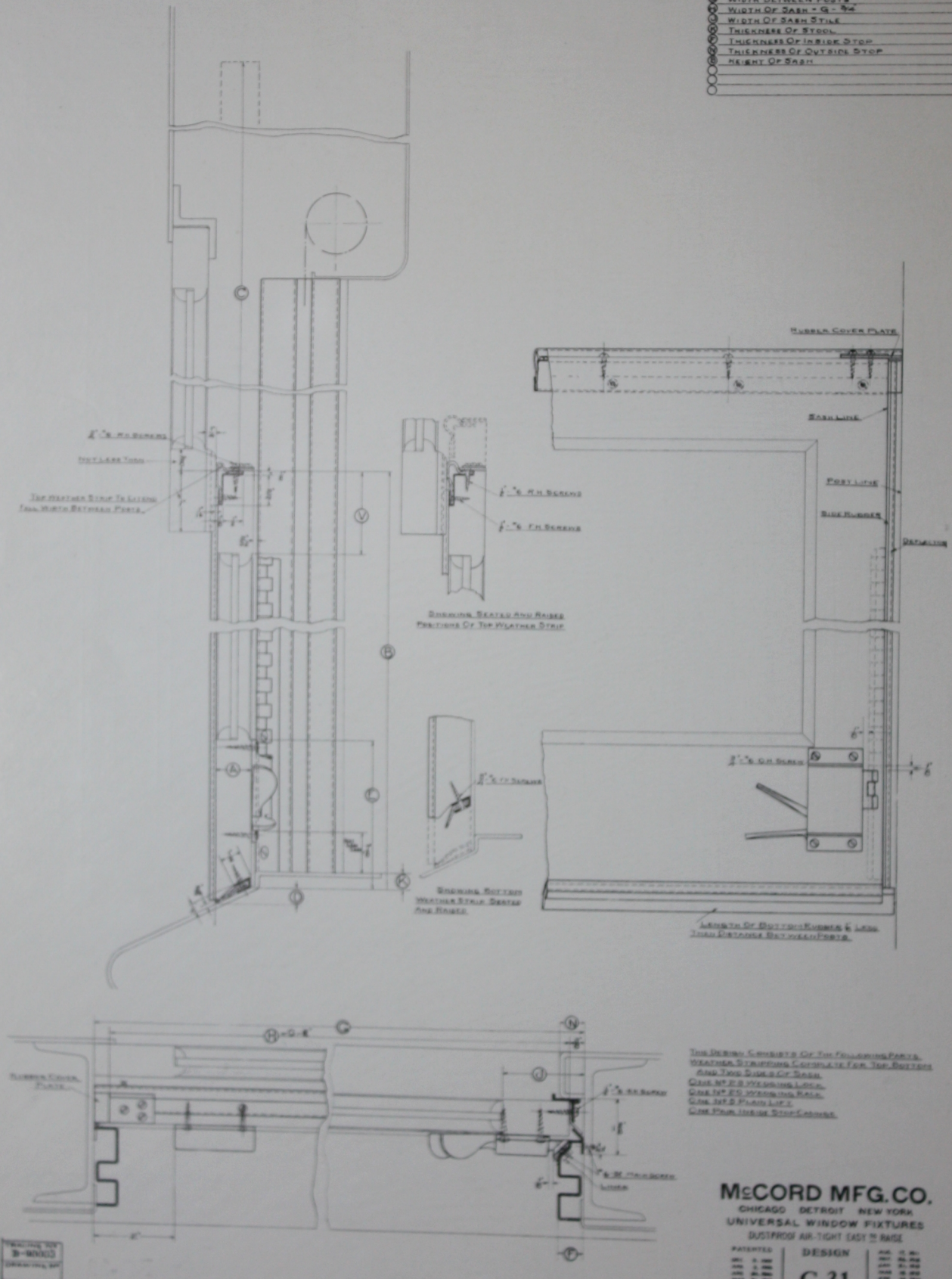


UNIVERSAL WINDOW DEVICES



DIMENSIONS AND INFORMATION
REQUIRED WITH ORDERS

NUMBER OF WINDOWS
FINISH OF TRIMMING
THICKNESS OF SASH
ACTUAL RAISE OF SASH
DASSEL OR BOTTOM OF SASH
WIDTH OF BOTTOM RAIL OF SASH
WIDTH OF TOP RAIL OF SASH
WIDTH BETWEEN POSTS
WIDTH OF SASH - G - 94
WIDTH OF SASH STILE
THICKNESS OF STOP
THICKNESS OF INSIDE STOP
THICKNESS OF OUTSIDE STOP
HEIGHT OF SASH



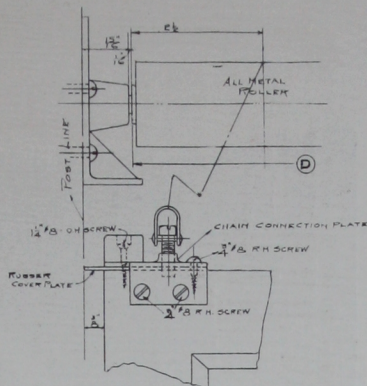
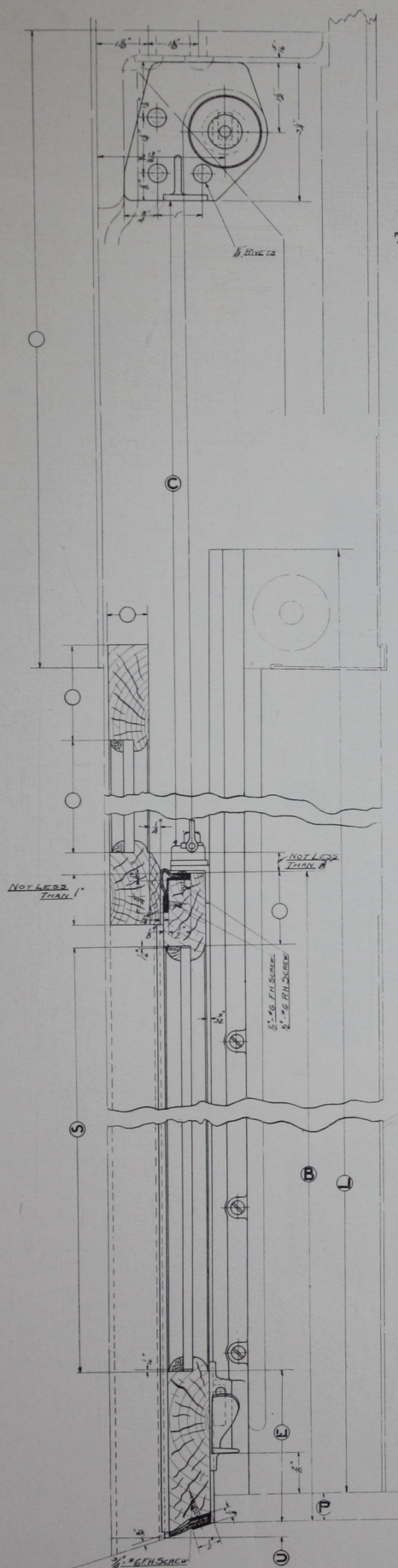
McCORD MFG. CO.
CHICAGO DETROIT NEW YORK
UNIVERSAL WINDOW FIXTURES
DUSTPROOF AIR-TIGHT EASY TO RAISE

PATENTED		DESIGN	APPL. 17, 861	
1901	U. S. 600,000		1907	24, 000
1906	U. S. 700,000		1911	31, 000
1910	24, 000		1916	32, 000
1915	31, 000		1920	33, 000
1922	32, 000			
1927	33, 000			

C-31

©1927
Coca-Cola
Bottle

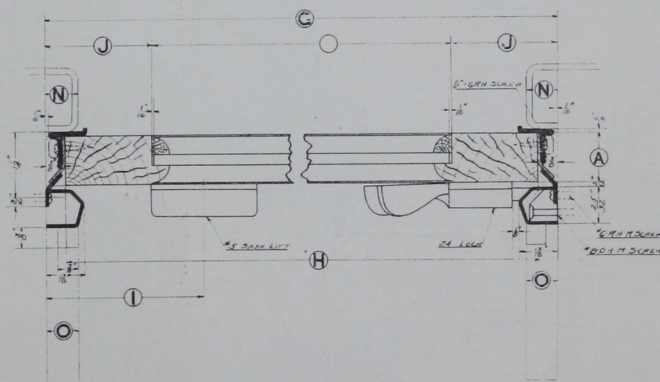
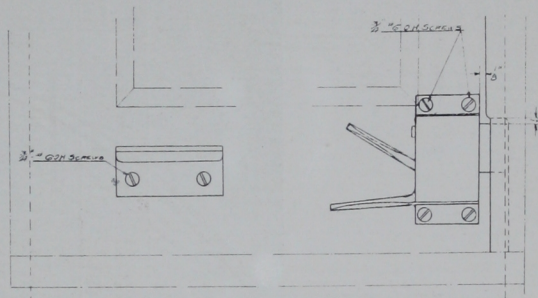
UNIVERSAL WINDOW DEVICES



OVERSIZES AND DIMENSIONS
FOR WINDOW WITH SASH

NUMBER OF WINDOW

A	THICKNESS OF LOWER SASH
B	HEIGHT OF SASH
C	WIDTH OF WINDOW OPENING
D	SASH (G-3)
E	DEPTH OF INSIDE STOPPING
F	BEVEL OF BOTTOM OF SASH
G	WIDTH OF SASH STILE
H	BEVEL OF LOWER SASH
I	UPPER
J	TOP
K	UPPER
L	HEIGHT OF GLASS SPACE LINER
M	UPPER
N	POST TO & OF LIFT
O	THICKNESS OF OUTSIDE STOP CASING
P	INSIDE
Q	ACTUAL HOUSE OF SASH
R	WIDTH OF GLASS SPACE
S	THICKNESS OF UPPER SASH
T	LENGTH OF STOP CASING
U	FINISH OF TRIMMING
V	LENGTH OF SASH BALANCE



INSTRUCTIONS FOR APPLYING
ALL SCREWS BRASS
SIDE WEATHER STRIPS TO BE APPLIED WITH LINEN
DUCING NEXT TO SASH
WHITE LEAD UNDER WEATHER STRIP CHANNELS
IT IS IMPORTANT THAT THE DIFFERENT CLEARANCES
SHOWN ON THIS DRAWING BE MAINTAINED TO FITTING
THE SASH TO INSURE AND MAINTAIN EASY
MOVEMENT OF THE SASH
WATERWAYS NOT TO BE USED IN CONNECTION WITH
UNIVERSAL WEATHER STRIPPING

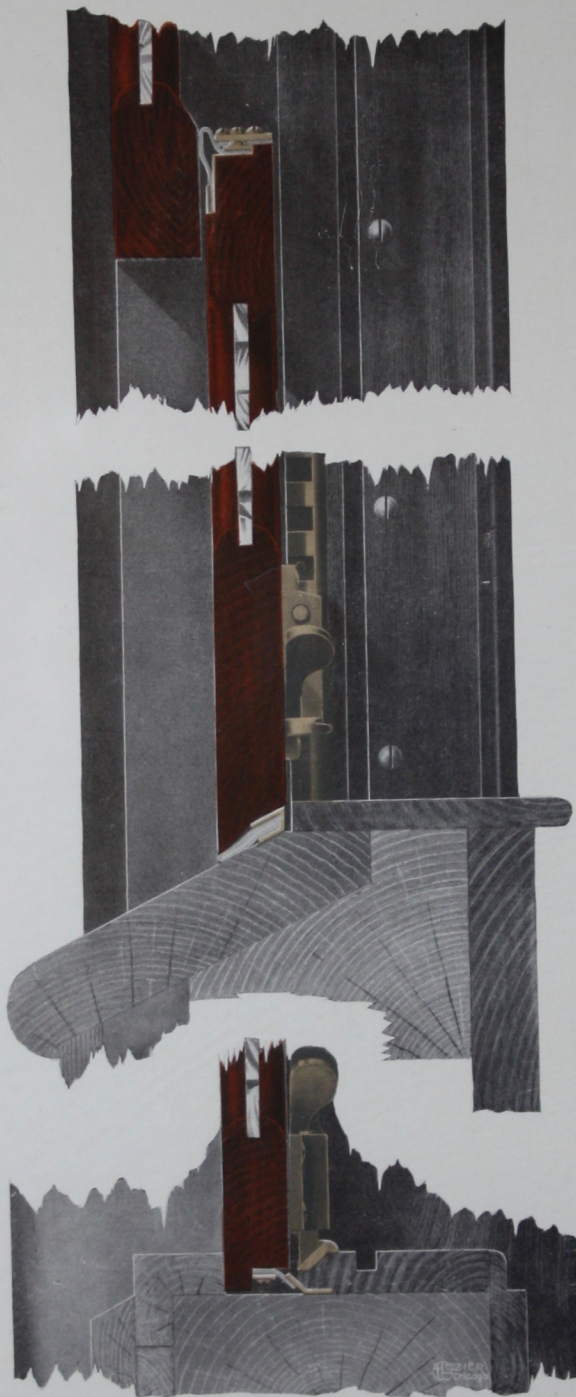
THIS DESIGN CONSISTS OF THE FOLLOWING PARTS
WEATHER STRIPPING COMPLETE FOR TOP BOTTOM
AND TWO SIDES
ONE NO. 24 WOODING LOCK
ONE NO. 3 PLAIN SASH LINE
ONE NO. 4 CHAIN STOP CASING
ONE SASH BALANCE ROLLER WITH CHAIN CONNECTION
PLATES AND BARNETS COMPLETE

McCORD MFG. CO.

CHICAGO DETROIT NEW YORK
UNIVERSAL WINDOW FIXTURES

DUST PROOF-AIR TIGHT-EASY TO RAISE

PATENTED
DEC. 9, 1904
APR. 3, 1906
APR. 24, 1906
MAY 21, 1906
DESIGN
BC-31
FEB. 27, 1906
JULY 20, 1906
JULY 13, 1906

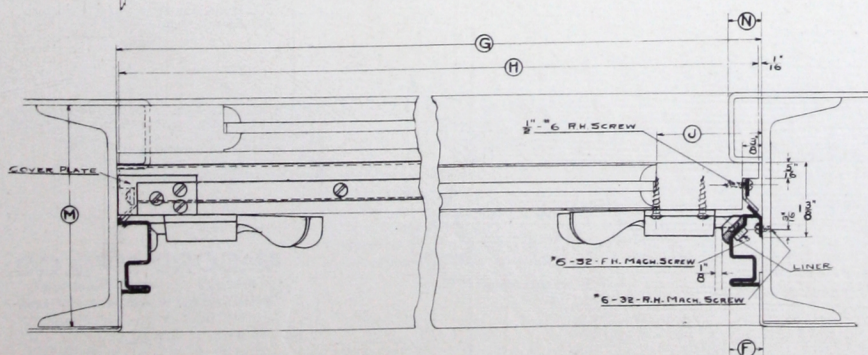
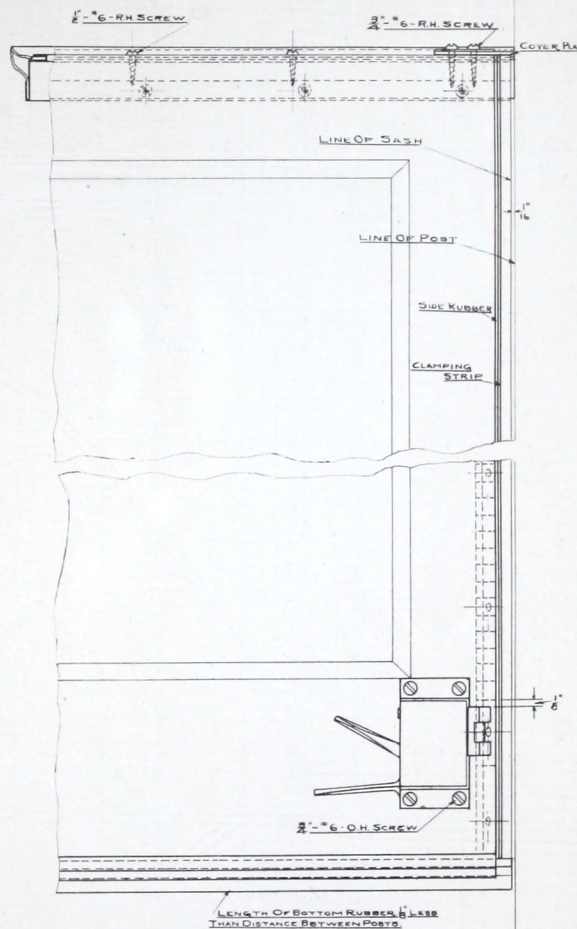
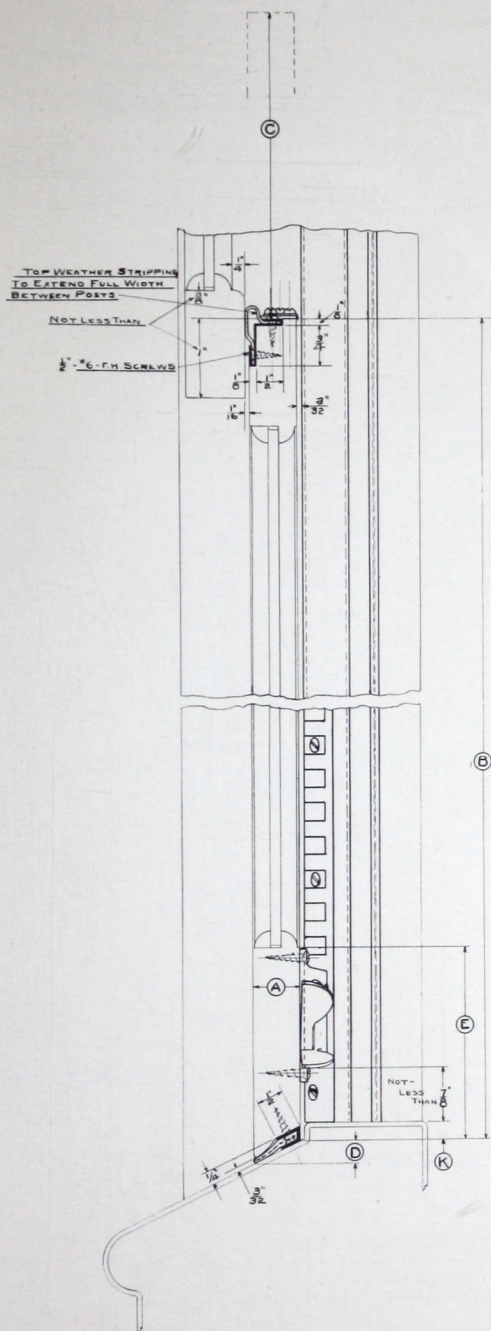


Equipment shown same as specified page 47

UNIVERSAL WINDOW DEVICES

DIMENSIONS AND INFORMATION REQUIRED WITH ORDERS

1	NO. OF WINDOWS
2	FINISH OF TRIMMINGS
3	THICKNESS OF SASH
4	HEIGHT OF SASH
5	ACTUAL RAISE OF SASH
6	DEPTH OF BOTTOM OF SASH
7	WIDTH OF BOTTOM RAIL OF SASH
8	WIDTH BETWEEN POSTS
9	WIDTH OF SASH - $\frac{1}{4}$ "
10	WIDTH OF SASH STYLE
11	THICKNESS OF STOOD
12	THICKNESS OF INSIDE STOP
13	THICKNESS OF OUTSIDE STOP
14	CLEARANCE IN HEADING

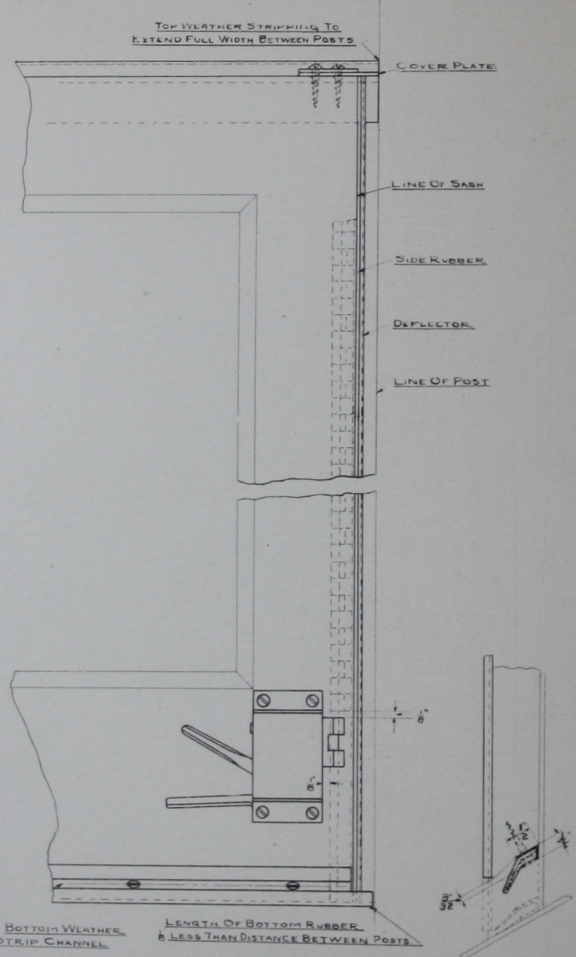
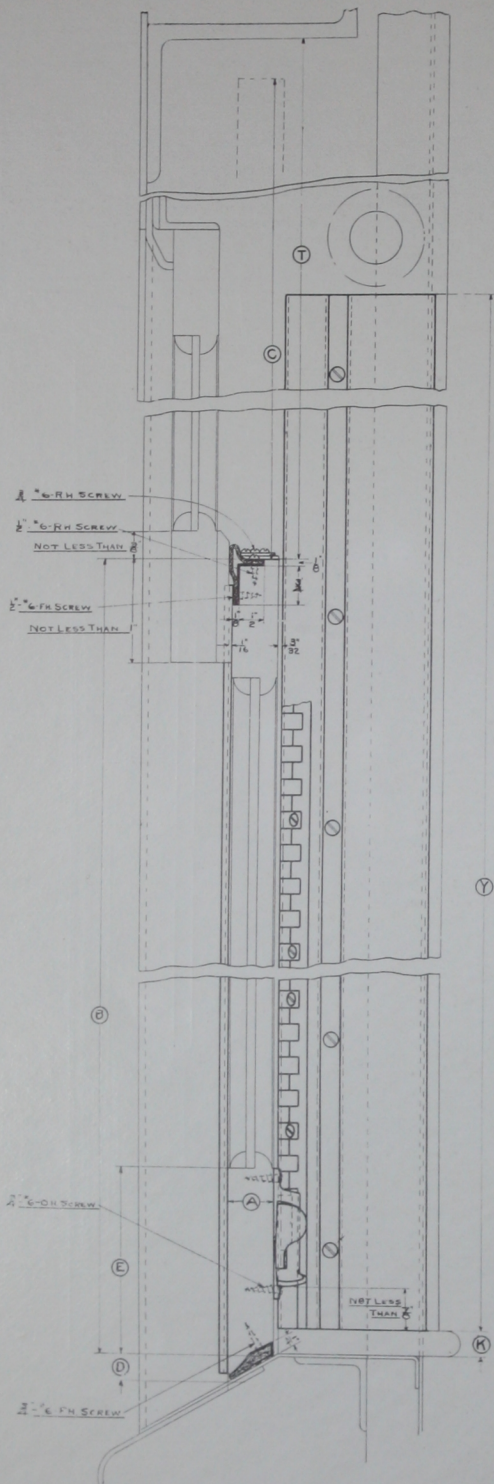


THIS DESIGN CONSISTS OF THE FOLLOWING PARTS:
WEATHER STRIPPING COMPLETE FOR TOP, BOTTOM
AND TWO SIDES OF SASH
TWO NO. 23 WEISSING LOCKS
TWO NO. 20 WEISSING RASPS
ONE PAIR INSIDE STOP CASINGS

McCORD MFG. CO.
CHICAGO DETROIT NEW YORK
UNIVERSAL WINDOW FIXTURES
DUSTPROOF AIR-TIGHT EASY TO RAISE

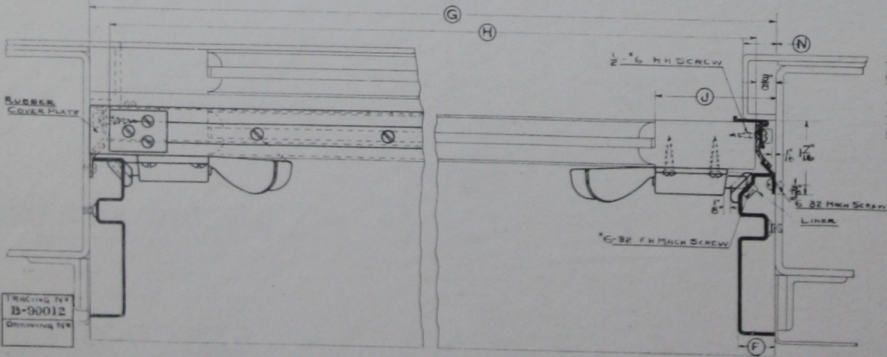
PATENTED AUG. 17, 1911
DESIGN
CO-32
OTHER PATENTS PENDING

TRACING OF
B-90006
DRAWING BY



QUESTIONS AND INFORMATION RESERVED WITH ORDERS

1	TYPE OF WINDOWS
2	THICKNESS OF SASH
3	HEIGHT OF SASH
4	ACTUAL RAISE OF SASH
5	WIDTH BETWEEN POSTS
6	WIDTH OF SASH - 9/16\"
7	WIDTH OF SASH STILE
8	BEVEL OF BOTTOM OF SASH
9	WIDTH OF BOTTOM RAIL OF SASH
10	DROP OF INSIDE STICKLING
11	DISTANCE FROM TOP OF SASH TO PLATE
12	LENGTH OF INSIDE STOP CASING
13	THICKNESS OF INSIDE STOP CASING
14	FINISH OF TRIMMINGS



THIS DEVICE CONSISTS OF THE FOLLOWING PARTS:
 WEATHER STRIPPING COMPLETE FOR TOP BOTTOM
 AND TWO SIDES OF SASH
 TWO NIPES WEDGING LOCKS
 TWO NIPES WEDGING RACKS
 ONE PAIR STOP CASINGS

MCCORD MFG. CO.
 CHICAGO DETROIT NEW YORK
 UNIVERSAL WINDOW FIXTURES
 DUST PROOF AIR-TIGHT EASY TO RAISE

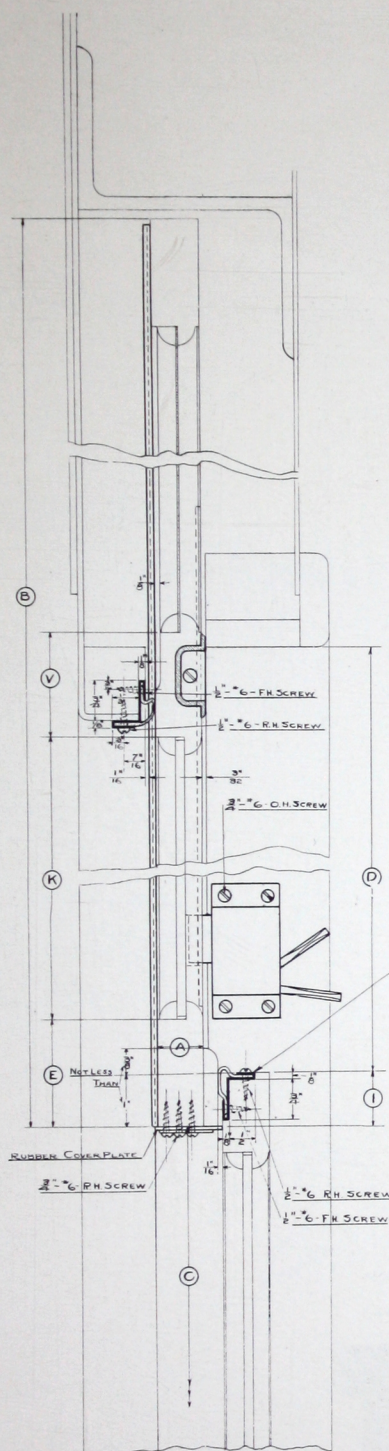
PATENTED	DESIGN	AUG 17, 1911
DEC 3, 1905		NOV 24, 1905
MAR 3, 1906		NOV 27, 1905
MAR 24, 1906		MAR 4, 1906
MAR 31, 1906		MAR 16, 1906
FEB 27, 1907		
JAN 20, 1908		

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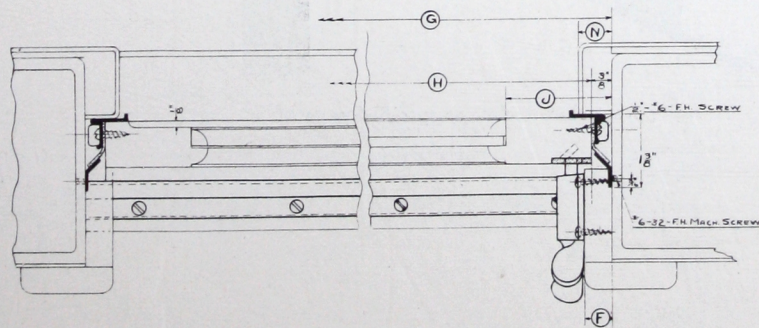
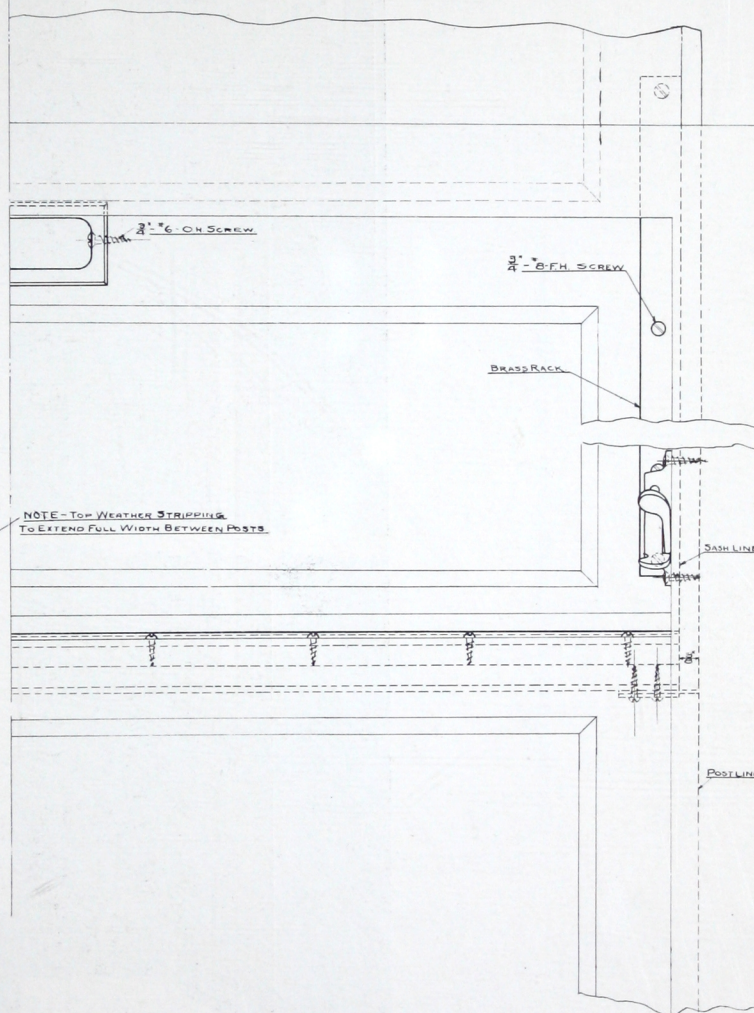
TRADE MARK
 B-90012
 DRAWING NO.

DIMENSIONS AND INFORMATION REQUIRED WITH ORDERS

- ① NO OF WINDOWES
- ② THICKNESS OF SASH
- ③ HEIGHT OF SASH
- ④ WIDTH OF WINDOW OPENING
- ⑤ WIDTH OF SASH - G - $\frac{3}{4}$ "
- ⑥ WIDTH OF SASH STILE
- ⑦ ACTUAL DROP OF SASH
- ⑧ CLEAR OPENING FROM TOP OF INSIDE SASH
- ⑨ WIDTH OF BOTTOM RAIL OF SASH
- ⑩ " " " " " "
- ⑪ HEIGHT OF GLASS SPACE
- ⑫ THICKNESS OF OUTSIDE STOP
- ⑬ " " STOP CASING
- ⑭ FINISH OF TRIMMINGS



NOTE - TOP WEATHER STRIPPING
TO EXTEND FULL WIDTH BETWEEN POSTS.



THIS DESIGN CONSISTS OF THE FOLLOWING PARTS
TWO TOP WEATHER STRIPS ASSEMBLED
WEATHER STRIPPING COMPLETE FOR TWO SIDES
TOP CORNER PLATES AND RUBBERS
ONE N#15 FLUSH LIFT
ONE N#20 LOCK
ONE PRESSED BRASS RACK

McCORD MFG. CO.
CHICAGO DETROIT NEW YORK
UNIVERSAL WINDOW FIXTURES

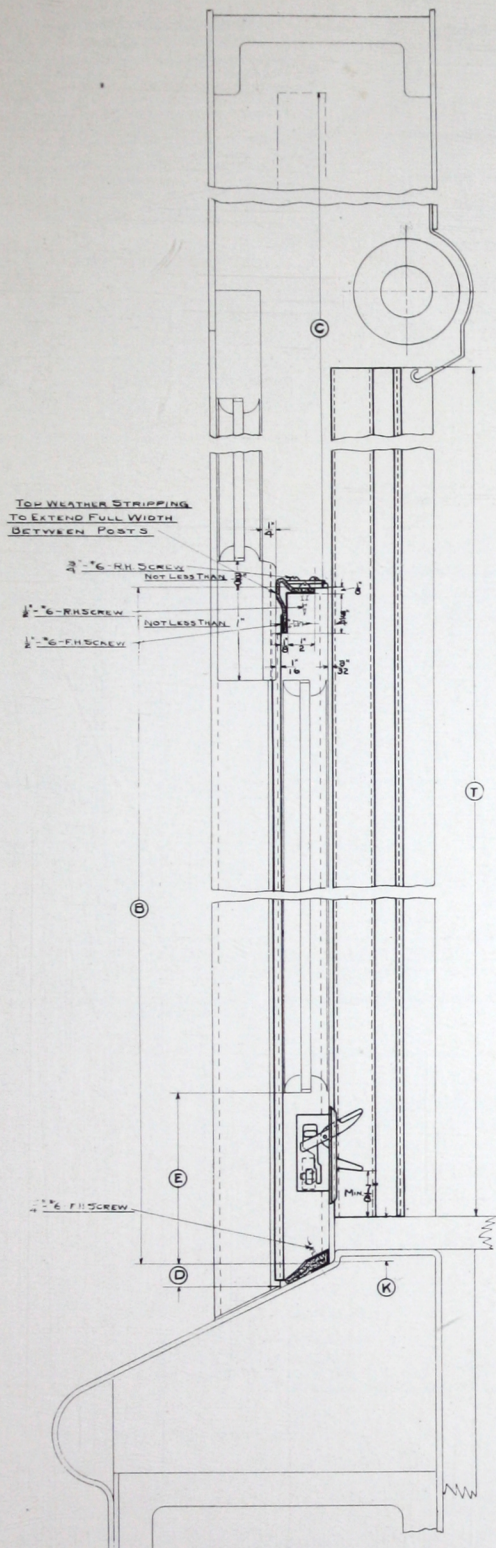
PATENTED	DESIGN
DEC. 5, 1945	AUG. 17, 1951
APR. 5, 1946	NOV. 26, 1952
APR. 24, 1946	JAN. 21, 1953
MAR. 21, 1948	MAR. 18, 1953
FEB. 27, 1957	APR. 14, 1954
JULY 30, 1959	OTHER
	PATENTS
	FOREIGN

TRACING N°
B-90009
DRAWING N°



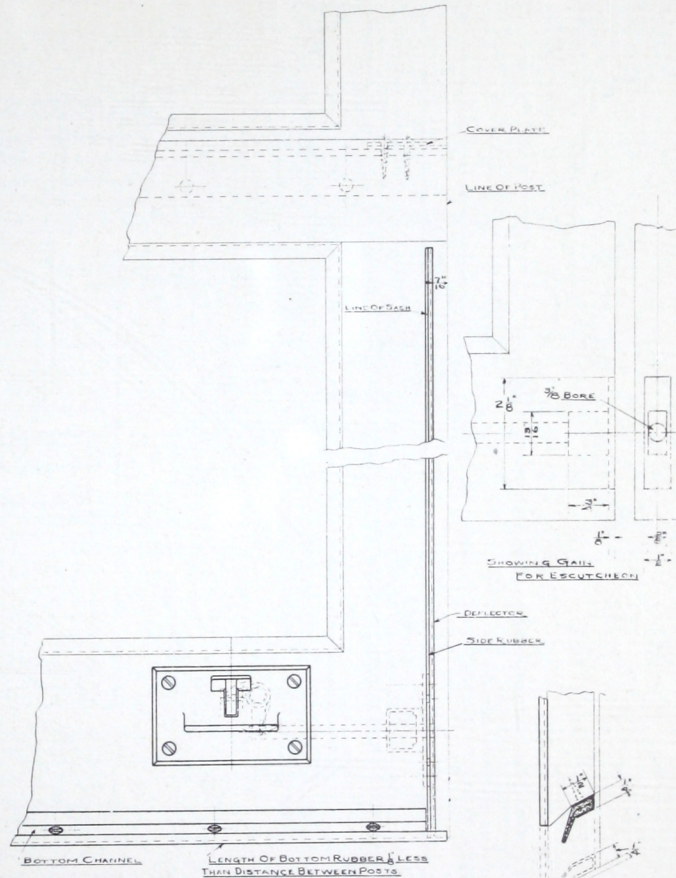
Equipment shown same as specified page 51

UNIVERSAL WINDOW DEVICES



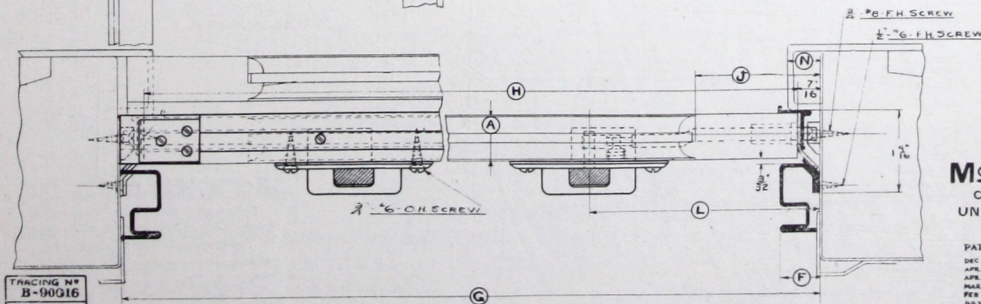
DIMENSIONS AND INFORMATION REQUIRED WITH ORDERS.

1	NO. OF WINDOW
2	THICKNESS OF SASH
3	HEIGHT OF SASH
4	ACTUAL RAISE OF SASH
5	SEAL OF BOTTOM OF SASH
6	WIDTH OF BOTTOM RAIL OF SASH
7	WIDTH BETWEEN POSTS
8	WIDTH OF SASH - G-7/8
9	WIDTH OF SASH STILE
10	DRAP OF INSIDE STOPPING
11	THICKNESS OF OUTSIDE STOP
12	THICKNESS OF INSIDE STOP
13	POST TO & OF LOCK
14	LENGTH OF INSIDE STOP CASING
15	FINISH OF TRIMMING



THIS DESIGN CONSISTS OF THE FOLLOWING PARTS
 WEATHER STRIPPING COMPLETE FOR TOP, BOTTOM
 AND TWO SIDES OF SASH
 TWO NO. 70 GRAVITY WEDGING LOCKS
 TWO NO. 70 RACKS
 ONE PAIR OF INSIDE STOP CASINGS

SHOWING BOTTOM RUBBER IN
 SEATED AND RAISED POSITIONS



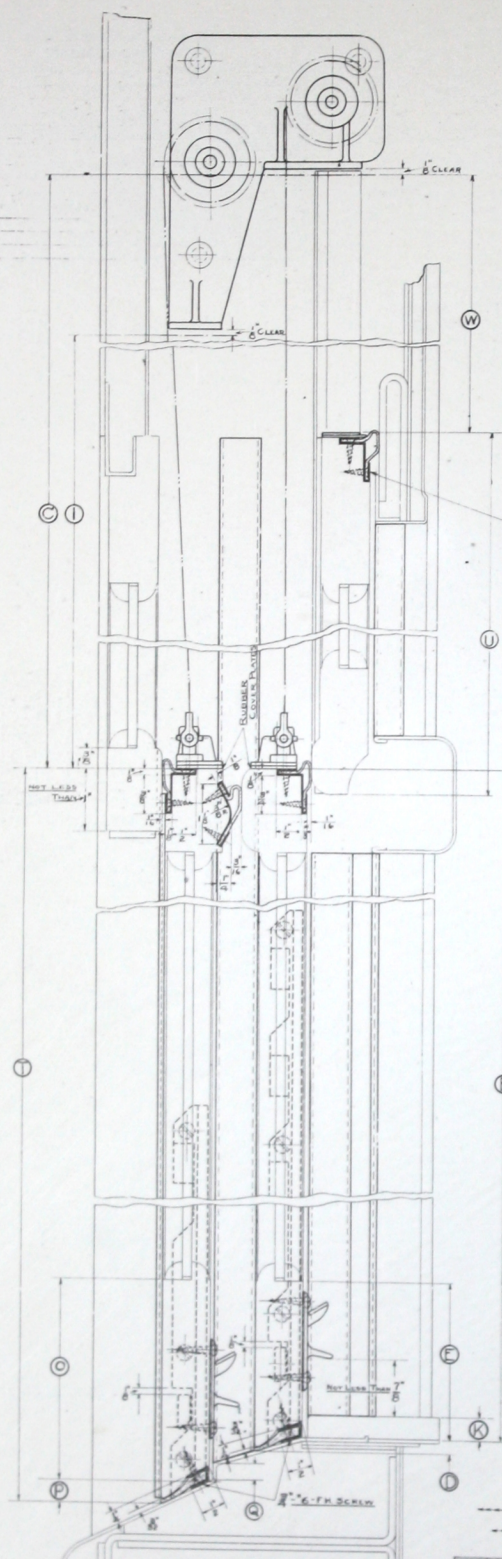
TRACING NO.
 B-90016
 DRAWING NO.

McCORD MFG. CO.
 CHICAGO DETROIT NEW YORK
 UNIVERSAL WINDOW FIXTURES
 DUSTPROOF AIR-TIGHT EASY TO RAISE

PATENTED	DESIGN	AUG. 17, 1911
DEC. 2, 1908		NOV. 24, 1912
APR. 3, 1909		JAN. 27, 1913
APR. 20, 1909		MAR. 18, 1914
MAY 31, 1909		APR. 14, 1914
FEB. 22, 1911		OTHER
JAN. 16, 1912		PATENTS
		PENDING

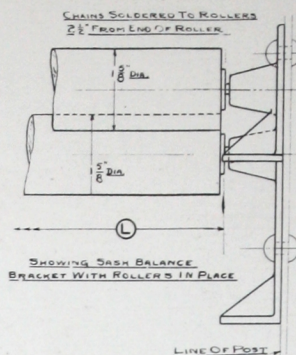
C-63

McCORD MANUFACTURING CO., DETROIT



THIS DESIGN CONSISTS OF THE FOLLOWING:
ONE PAIR OF PAINTING STRIPS
TWO PAIR OF INSIDE STAY CABLES
INSIDE SAILS
WEATHER STRIPPING COMPLETE FOR TOP TWO SIDES AND
BOTTOM OF SAIL
ONE UNDER SAIL BALANCE WITH BRACKETS, CHAINS
AND CONNECTIONS COMPLETE
TWO "70 GRAVITY WELDING LOCKS"
TWO "70 GRAVITY WELDING PINS"
OUTSIDE SAILS
WEATHER STRIPPING COMPLETE FOR TOP TWO SIDES AND
BOTTOM OF SAIL
ONE SAIL BALANCE, BRACKETS, CHAINS AND CONNECTIONS
COMPLETE
TWO "70 GRAVITY WELDING LOCKS"
TWO "70 GRAVITY WELDING PINS"
UPPER INSIDE SAIL
WEATHER STRIPPING COMPLETE FOR TOP AND TWO
SIDES OF SAIL

TRACING NO
B-90005
Drawing No



SHOWING SASH BALANCE
BRACKET WITH ROLLERS IN PLACE

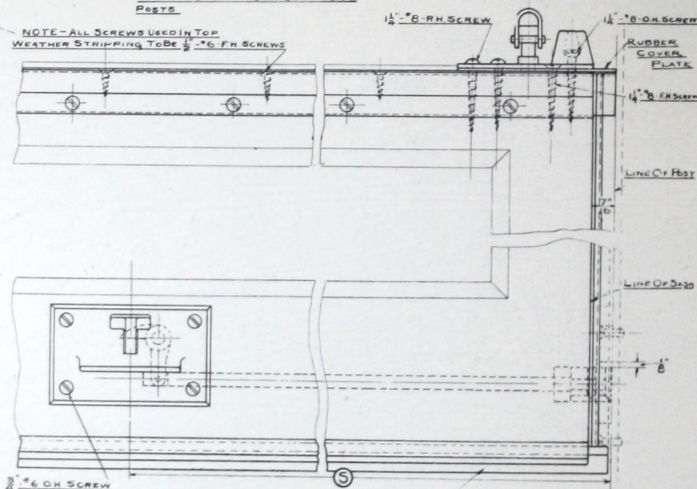
LINE OF POST.

DIMENSIONS AND INFORMATION
REQUIRED WITH ORDERS:

- (1) NO. OF WINDOWS
- (2) THICKNESS OF SASH
- (3) WIDTH BETWEEN POSTS
- (4) WIDTH OF SASH - G - 7/8"
- (5) ACTUAL RAISE OF INSIDE SASH
 - " " OUTSIDE "
- (6) DROP OF INSIDE SToolING
 - " " OUTSIDE "
- (7) BEVEL OF BOTTOM OF INSIDE SASH
 - " " OUTSIDE "
- (8) DISTANCE BETWEEN SASH
 - " " OUTSIDE "
- (9) WIDTH OF SASH STYLE
 - " " BOTTOM RAIL OF INSIDE SASH "
 - " " " " " " OUTSIDE "
- (10) POST FROM C OF LOCK
- (11) THICKNESS OF INSIDE STOP CABBING
 - " " OUTSIDE "
- (12) LENGTH OF ROLLER - G - 2"
- (13) CLEARANCE IN HEADING
- (14) HEIGHT OF INSIDE SASH
 - " " OUTSIDE "
- (15) WEIGHT OF INSIDE SASH
 - " " OUTSIDE "
- (16) FINISH OF TRIMMINGS
- (17) HEIGHT OF UPPER INSIDE SASH
- (18) WIDTH = $G - \frac{3}{4}$ "
- (19) RAISE " " " " " "

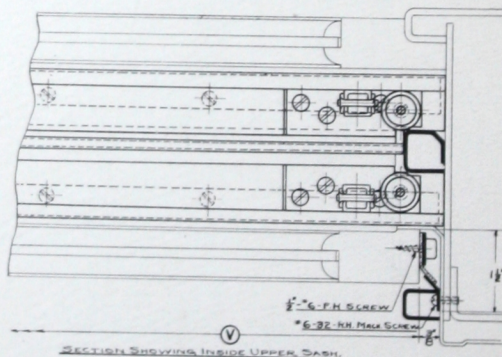
NOTE-ALL TOP WEATHER STRIPPING
TO EXTEND FULL WIDTH BETWEEN
POSTS

NOTE - ALL SCREWS USED IN TOP
WEATHER STRIPPING TO BE $\frac{1}{2}$ " - #6

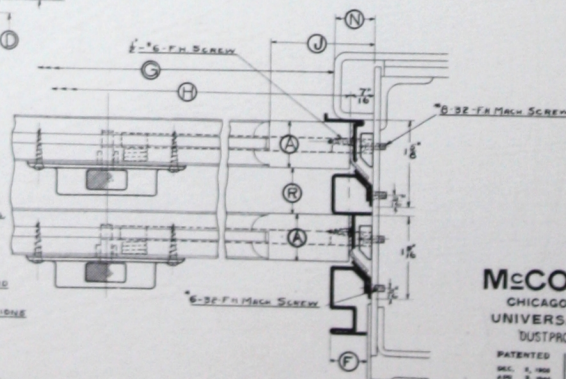


INSIDE SASH- STOP CASING REMOVED

LENGTH OF BOTTOM RUBBER 6" LESS
THAN DISTANCE BETWEEN POSTS



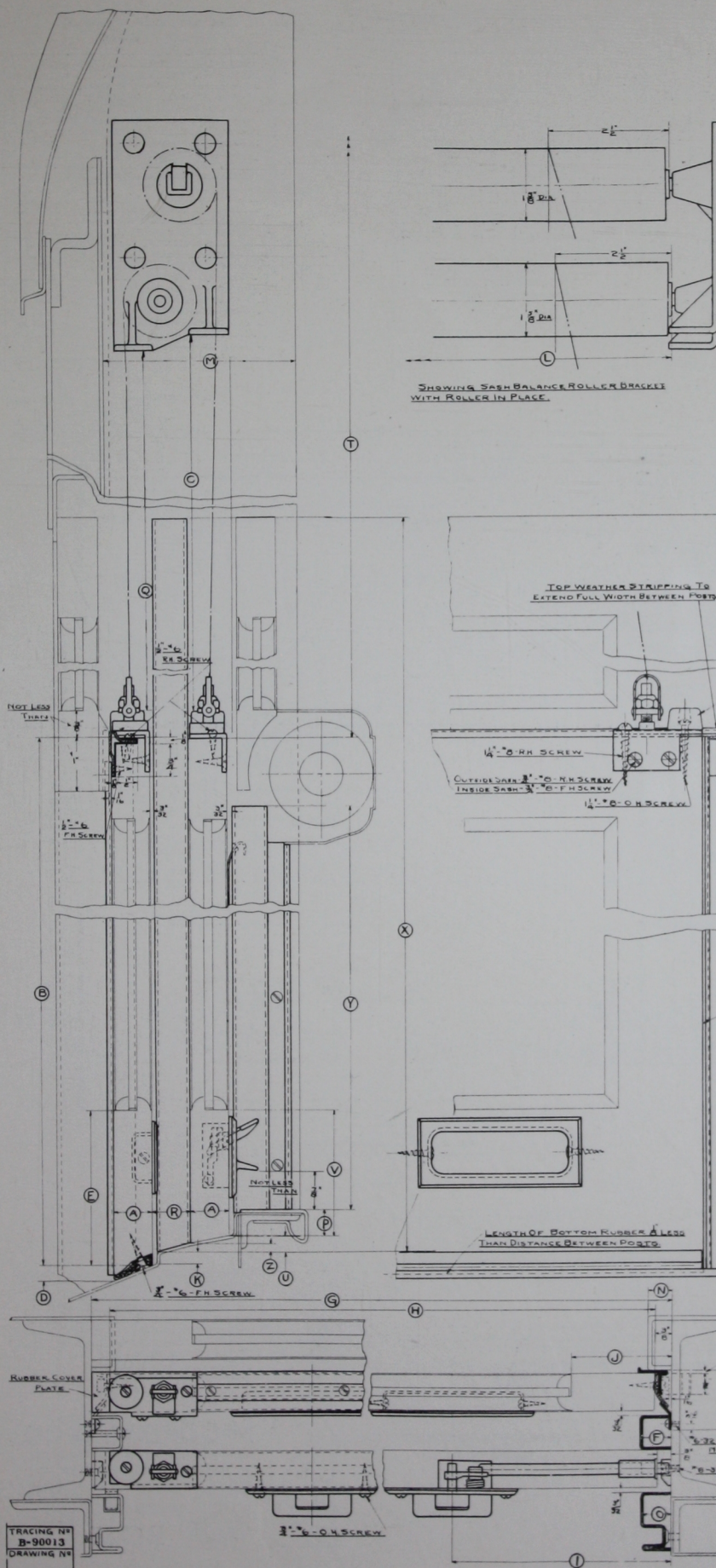
SECTION SHOWING INSIDE UPPER SASH



McCORD MFG.CO.
CHICAGO DETROIT NEW YORK
UNIVERSAL WINDOW FIXTURES
DUSTPROOF AIR-TIGHT EASY TO RAISE

PATENTED DEC. 8, 1909 JAN. 3, 1906 APR. 24, 1906 MAR. 31, 1906 FEB. 27, 1907 JULY 20, 1906		DESIGN BCX-85	AUG. 17, 1901 MAY 26, 1902 JAN. 31, 1902 MAR. 10, 1902 APR. 16, 1906 STARK PATENT BUREAU
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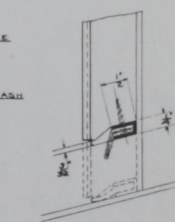
UNIVERSAL WINDOW DEVICES



DIMENSIONS AND INFORMATION RESERVES WITH ORDERS

1	NO. OF WINDOWS
2	THICKNESS OF SASH
3	HEIGHT OF OUTSIDE SASH
4	WIDTH OF WINDOW OPENING
5	WIDTH OF OUTSIDE SASH - G - 3/4"
6	ACTUAL RAISE OF INSIDE SASH
7	ACTUAL RAISE OF OUTSIDE SASH
8	DEEP. OF INSIDE STICKLING
9	OUTSIDE
10	STICKLING BETWEEN SASH
11	BEVEL OF BOTTOM OF INSIDE SASH
12	OUTSIDE SASH
13	DISTANCE BETWEEN SASH
14	WIDTH OF SASH STILE
15	BOTTOM RAIL OF INSIDE SASH
16	OUTSIDE
17	LENGTH OF PARTING STRIP
18	INSIDE STOP CASING
19	POST TO S. OF LIFT AND LOCK
20	THICKNESS OF STOP CASING
21	OUTSIDE STOP
22	PARTING STRIP
23	LENGTH OF ROLLER - G - 2"
24	CLEARANCE IN HEADING
25	DISTANCE FROM TOP OF SASH TO PLATE
26	WEIGHT OF OUTSIDE SASH
27	INSIDE
28	FINISH OF TRIMMINGS

SHOWING GRAIN FOR ERECTOR



SHOWING BOTTOM RUBBER IN SEATED AND RAISED POSITIONS

THIS DESIGN CONSISTS OF THE FOLLOWING PARTS:
OUTSIDE SASH,
WEATHER STRIPPING COMPLETE FOR TOP, BOTTOM,
AND TWO SIDES,
TWO 1/2" FLUSH LIFTS,
ONE PAIR PARTING STRIPS,
ONE SASH BALANCE, BRACKETS, CHAINS, AND CON-
NECTIONS COMPLETE.
INSIDE SASH,
TWO 1/2" TO GRAVITY WEDGING LOCKS,
TWO 1/2" TO GRAVITY WEDGING RAILS,
TWO ANTI-RATTLE BEARINGS,
ONE PAIR STOP CASINGS,
ONE SASH BALANCE, CHAINS, AND CONNECTIONS
COMPLETE.

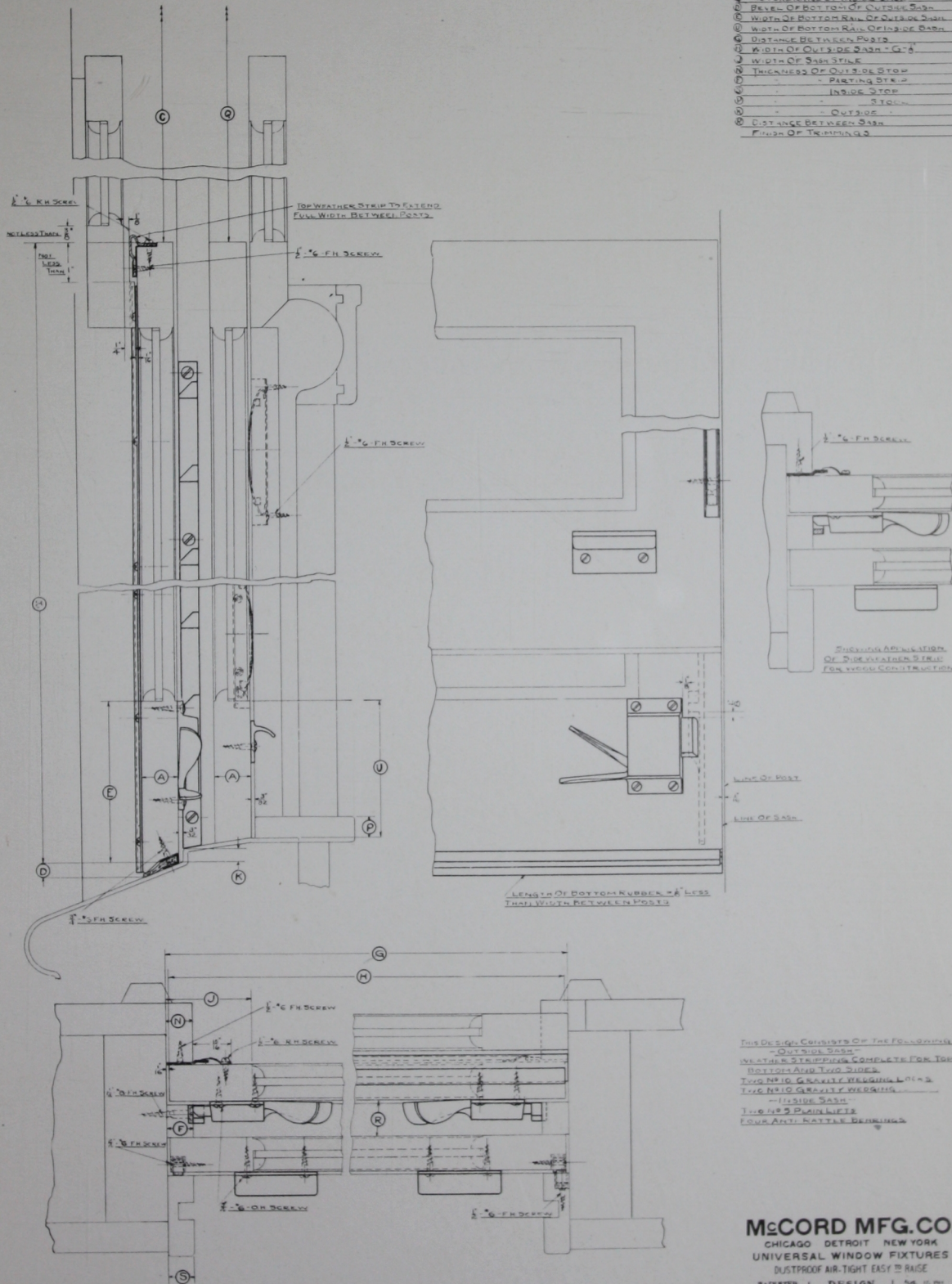
MCCORD MFG. CO.
CHICAGO DETROIT NEW YORK
UNIVERSAL WINDOW FIXTURES
DUSTPROOF AIR-TIGHT EASY TO RAISE

PATENTED DESIGN
DEC. 5, 1922
APR. 8, 1924
APR. 24, 1924
MAY 5, 1924
FEB. 21, 1927
JULY 22, 1928
AUG. 15, 1921
MAY 20, 1922
JAN. 21, 1923
MAY 14, 1923
APR. 14, 1924
JULY 22, 1928
MAY 20, 1922

BC-84



UNIVERSAL WINDOW DEVICES



THIS DESIGN CONSISTS OF THE FOLLOWING:
 -OUTSIDE SASH-
 WEATHER STRIPPING COMPLETE FOR TOP,
 BOTTOM AND TWO SIDES.
 TWO NO. 10 GRAVITY WEDGING LOGS.
 TWO NO. 10 GRAVITY WEDGING
 -INSIDE SASH-
 TWO NO. 5 PLAIN LIFTS
 FOUR ART. HATTEL BEARINGS.

McCORD MFG.CO.
CHICAGO DETROIT NEW YORK
UNIVERSAL WINDOW FIXTURES
DUSTPROOF AIR-TIGHT EASY TO RAISE

PATENTED		DESIGN	FILED
DEC. 1, 1949			DEC. 1, 1949
AUG. 3, 1950			AUG. 3, 1950
AUG. 24, 1950			AUG. 24, 1950
MAR. 31, 1951			MAR. 31, 1951
FEB. 27, 1952			FEB. 27, 1952
JULY 20, 1953			JULY 20, 1953

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OTHER PATENTS PENDING

TRACING NO
B-50019
DRAWING NO

In addition to the devices shown herein, we manufacture:

McKim Copper Asbestos
Gaskets

Force Feed Lubricators

Automobile Radiators

Catalog covering each device separately forwarded
on request

